

Data Path : Z:\HPCHEM1\BNA F\Data\BF051016\
 Data File : BF086891.D
 Acq On : 11 May 2016 9:57
 Operator : UM/SJ
 Sample : H2961-04 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 11 13:02:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	142337	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	496011	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	215929	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	337822	20.00	ng	0.00
75) Chrysene-d12	13.83	240	264152	20.00	ng	-0.01
86) Perylene-d12	15.21	264	260445	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	188026	22.37	ng	-0.01
7) Phenol-d6	6.34	99	248182	22.09	ng	-0.02
23) Nitrobenzene-d5	7.25	82	186824	18.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	38427	16.81	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	253421	19.72	ng	-0.01
78) Terphenyl-d14	12.77	244	178809	14.36	ng	-0.02

Target Compounds						Qvalue
9) Benzaldehyde	6.20	77	22938	3.53	ng	# 1
18) Hexachloroethane	7.18	117	23556	5.59	ng	# 1
19) n-Nitroso-di-n-propylamine	7.08	70	33522	4.27	ng	# 1
22) Acetophenone	7.08	105	78044	6.66	ng	# 17
24) Nitrobenzene	7.23	77	33477	3.29	ng	# 25
25) Isophorone	7.49	82	62970	3.44	ng	# 1
31) Naphthalene	8.01	128	3388073	136.37	ng	97
33) 4-Chloroaniline	8.01	127	508347	52.66	ng	# 39
35) Caprolactam	8.41	113	90524	39.73	ng	# 1
37) 2-Methylnaphthalene	8.69	142	1017961	70.09	ng	97
45) 1,1'-Biphenyl	9.15	154	322972	18.80	ng	98
48) Acenaphthylene	9.58	152	250011	12.63	ng	# 93
51) Acenaphthene	9.76	154	1089046	88.45	ng	99
53) 2,4-Dinitrophenol	9.80	184	999	8.20	ng	# 1
54) Dibenzofuran	9.93	168	92472	5.85	ng	# 67
55) 4-Nitrophenol	9.93	139	58870	27.37	ng	# 37
56) 2,4-Dinitrotoluene	9.93	165	18760	4.37	ng	# 39
57) Fluorene	10.27	166	650763	48.28	ng	98
60) 4-Chlorophenyl-phenylether	10.27	204	546	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.38	169	78833	7.60	ng	# 49
70) Phenanthrene	11.23	178	2111616	117.13	ng	98
71) Anthracene	11.28	178	880220	47.74	ng	100
74) Fluoranthene	12.41	202	1121250	60.47	ng	98
77) Pyrene	12.64	202	1567351	77.50	ng	99
80) Benzo(a)anthracene	13.81	228	574761	38.76	ng	# 66
82) Chrysene	13.81	228	574761	38.10	ng	# 67
85) Indeno(1,2,3-cd)pyrene	16.49	276	193483	15.42	ng	# 88
87) Benzo(b)fluoranthene	14.83	252	553661	32.71	ng	98
88) Benzo(k)fluoranthene	14.83	252	553661	39.95	ng	99
89) Benzo(a)pyrene	15.15	252	481378	32.97	ng	97
90) Dibenzo(a,h)anthracene	16.64	278	38849	3.16	ng	96
91) Benzo(a,h,i)perylene	17.08	276	82735	6.62	ng	97

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QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

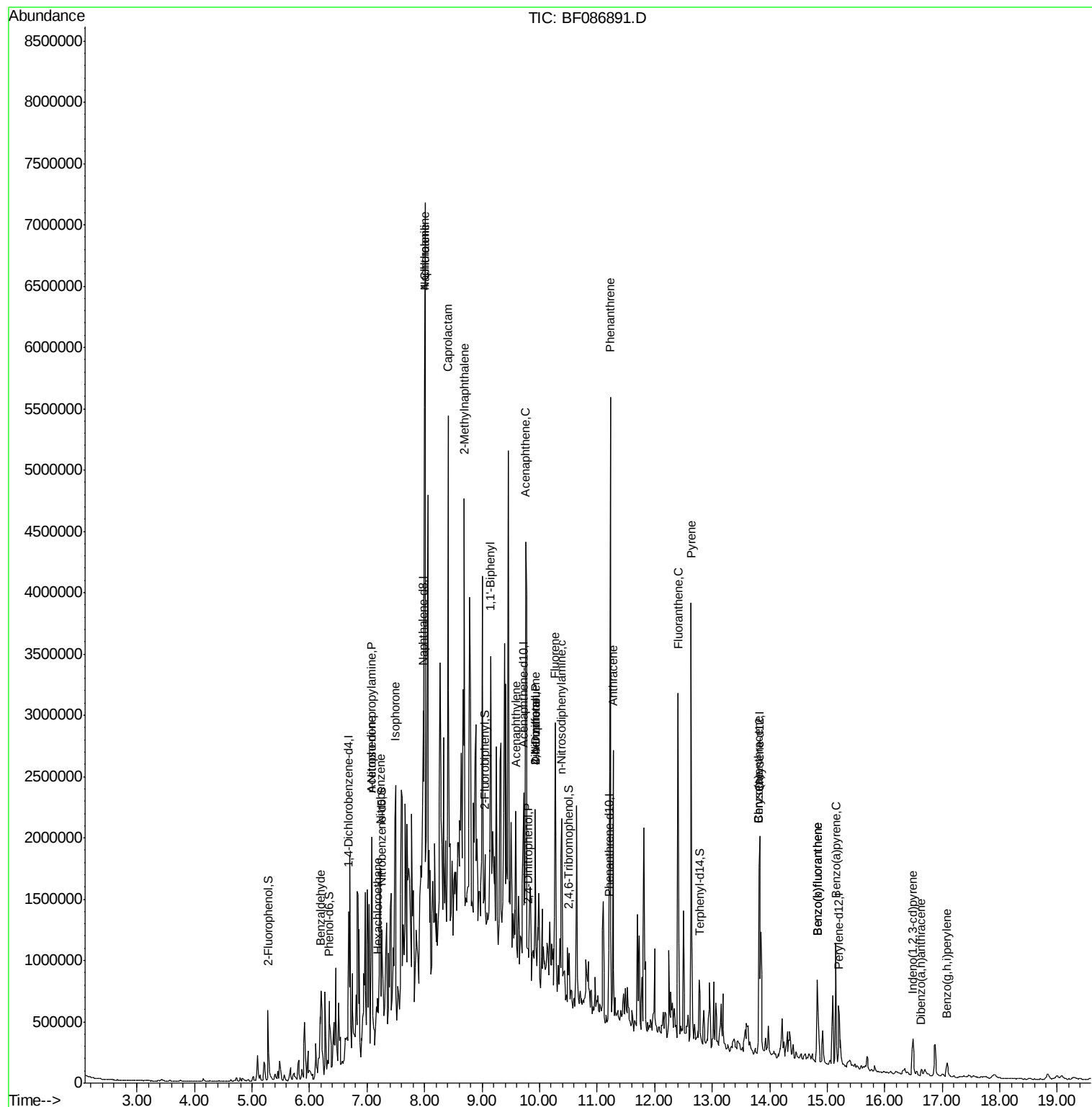
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

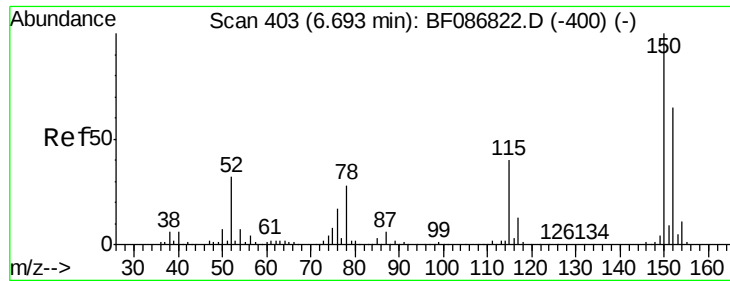
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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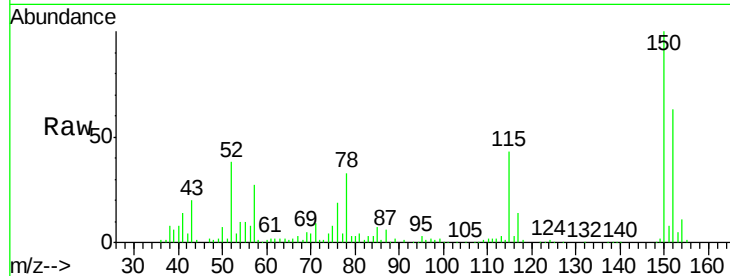


#1

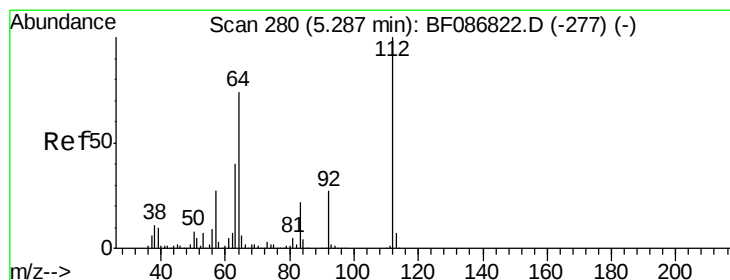
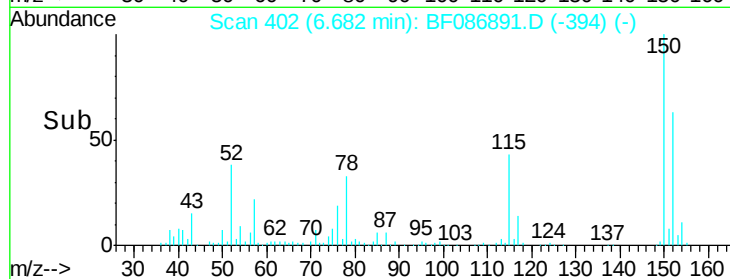
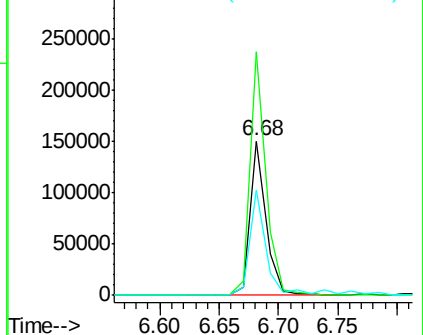
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142337
Ion Ratio Lower Upper
152 100
150 157.8 125.8 188.6
115 68.4 51.5 77.3



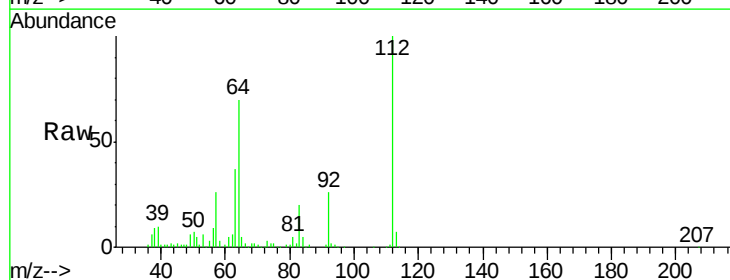
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



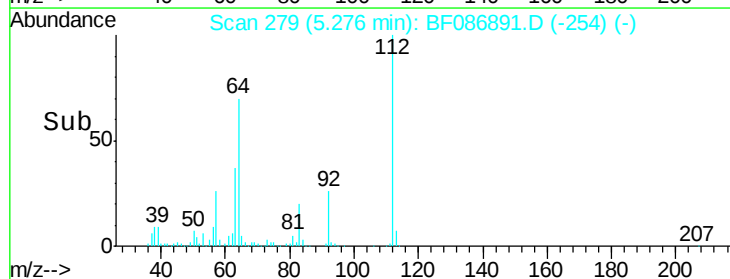
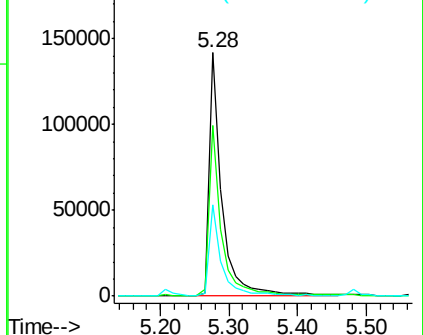
#5

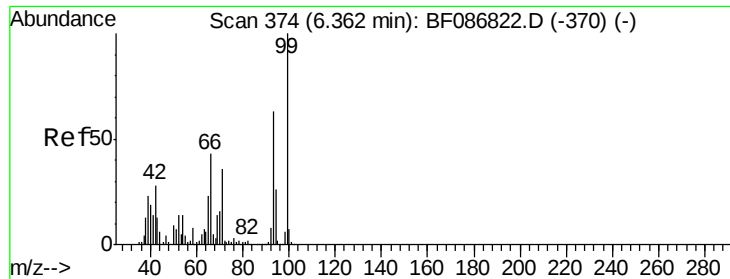
2-Fluorophenol
Concen: 22.37 ng
RT: 5.28 min Scan# 279
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion:112 Resp: 188026
Ion Ratio Lower Upper
112 100
64 69.9 52.1 78.1
63 37.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.09 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

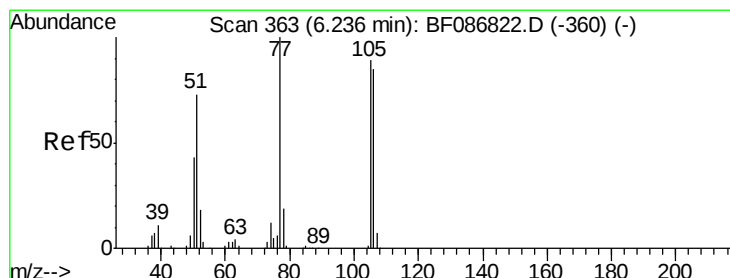
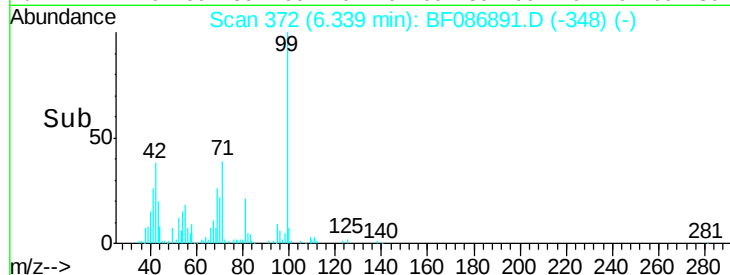
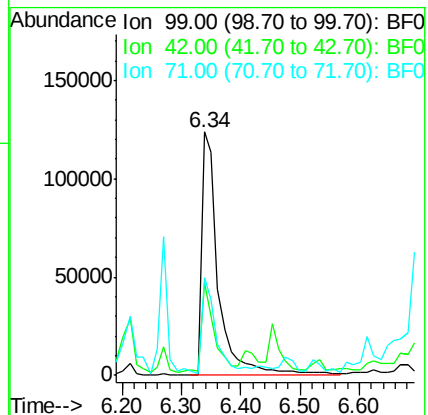
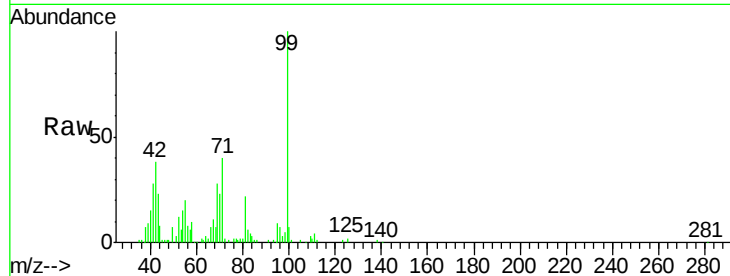
Tot Ion: 99 Resp: 248182

Ion Ratio Lower Upper

99 100

42 38.3 13.6 20.4#

71 39.9 24.6 36.8#



#9

Benzaldehyde

Concen: 3.53 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

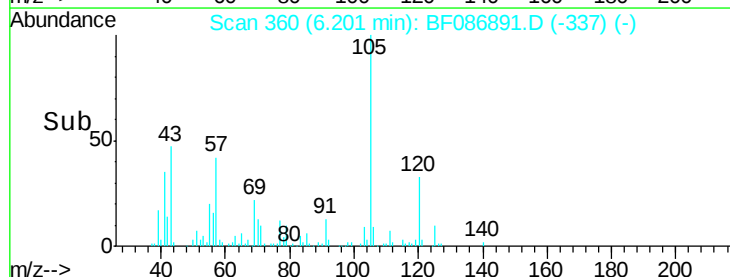
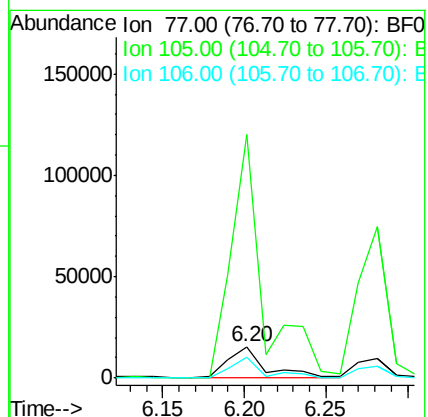
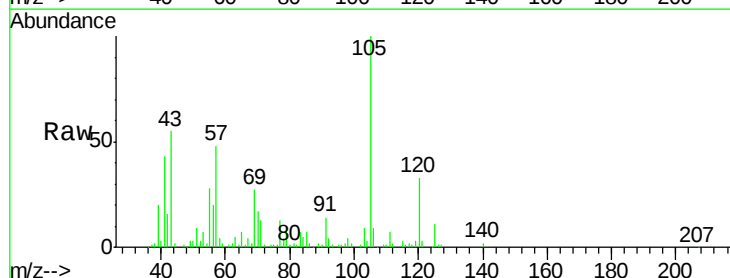
Tgt Ion: 77 Resp: 22938

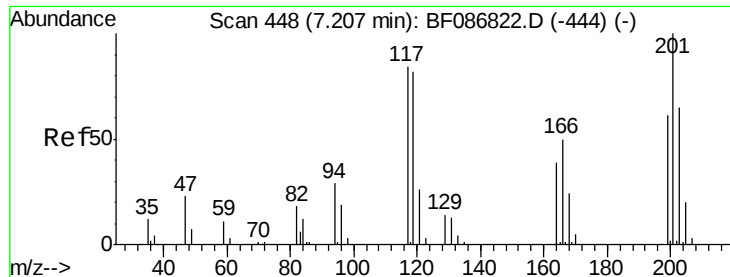
Ion Ratio Lower Upper

77 100

105 772.1 72.7 112.7#

106 65.9 70.8 110.8#

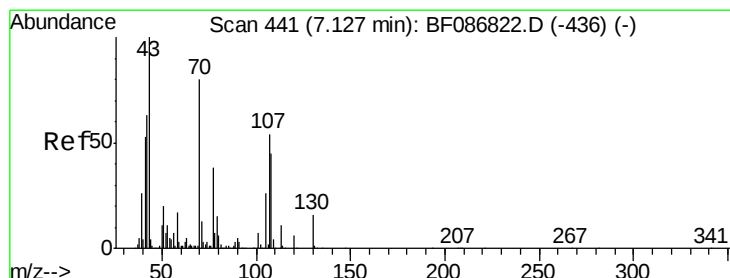
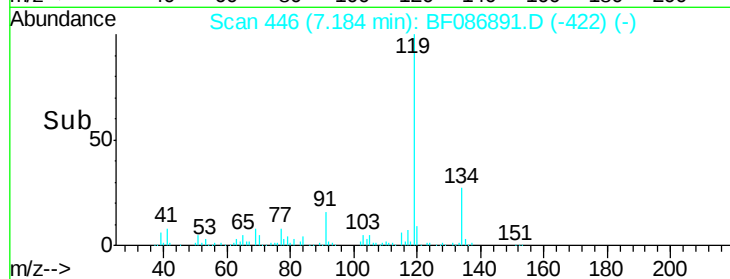
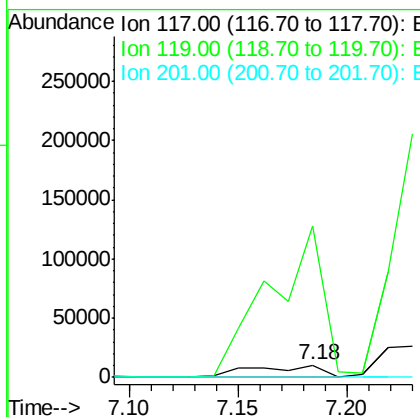
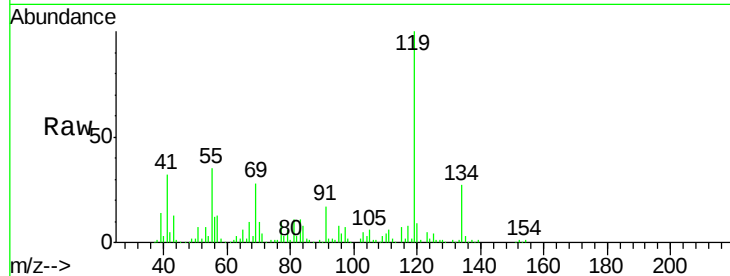




#18
Hexachloroethane
Concen: 5.59 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.02 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

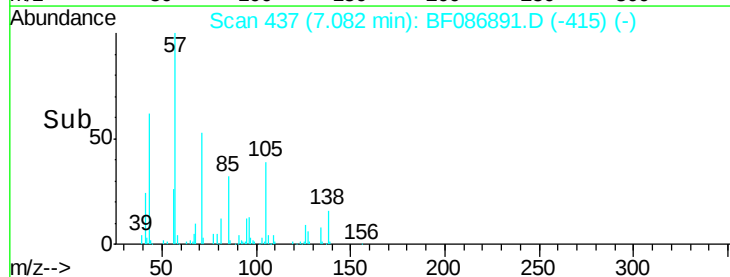
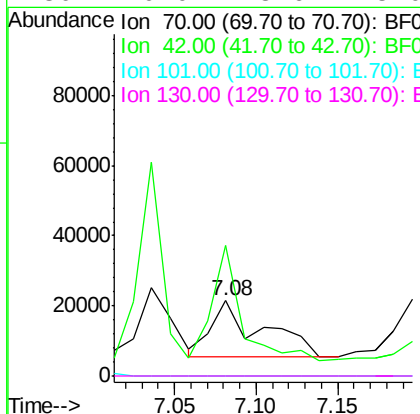
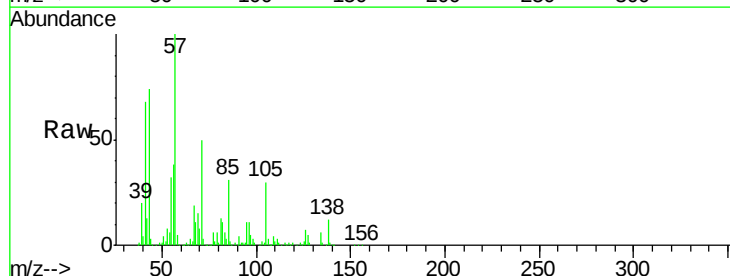
Instrument :
BNA_F
ClientSampled :

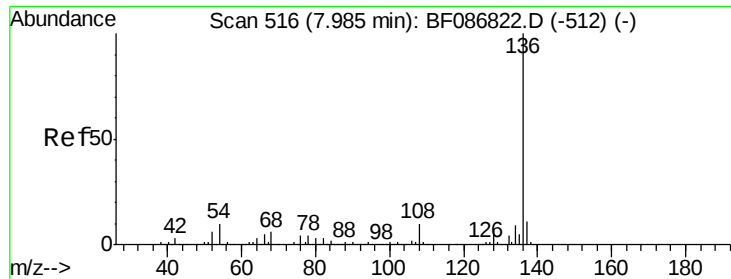
Tot Ion:117 Resp: 23556
Ion Ratio Lower Upper
117 100
119 1221.5 76.5 114.7#
201 0.0 63.0 94.6#



#19
n-Nitroso-di-n-propylamine
Concen: 4.27 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.05 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion: 70 Resp: 33522
Ion Ratio Lower Upper
70 100
42 172.7 43.1 64.7#
101 0.0 8.1 12.1#
130 0.0 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496011

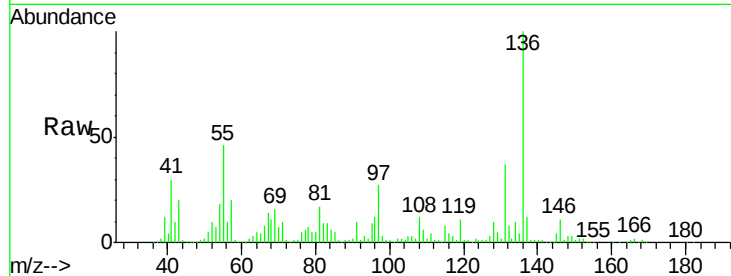
Ion Ratio Lower Upper

136 100

137 12.0 8.8 13.2

54 17.6 5.0 7.4#

68 10.6 4.4 6.6#

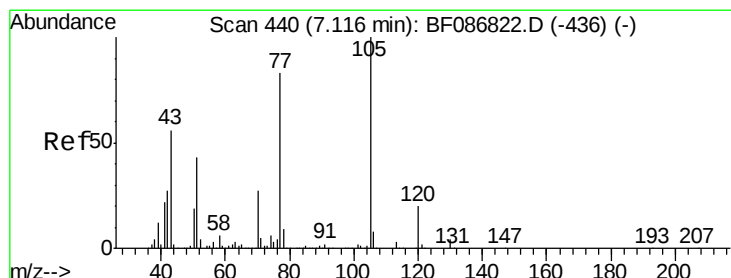
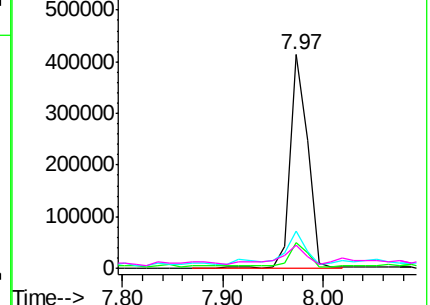
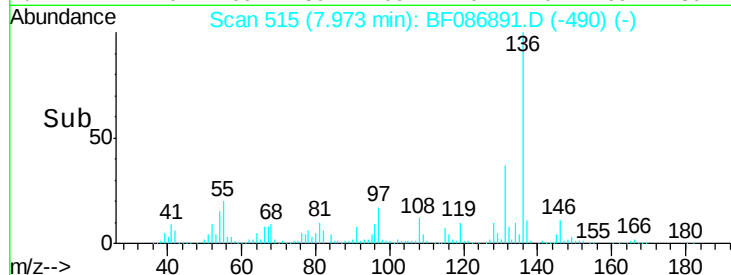


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 6.66 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.03 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Tgt Ion:105 Resp: 78044

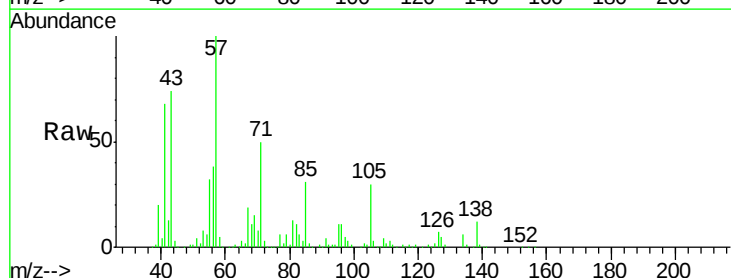
Ion Ratio Lower Upper

105 100

71 167.1 4.8 7.2#

51 12.7 32.6 49.0#

120 0.0 16.5 24.7#

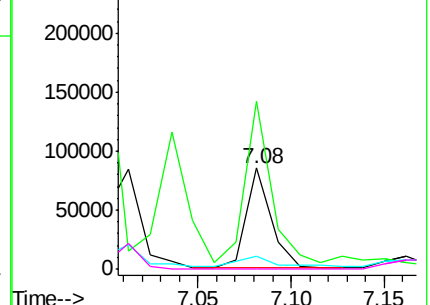
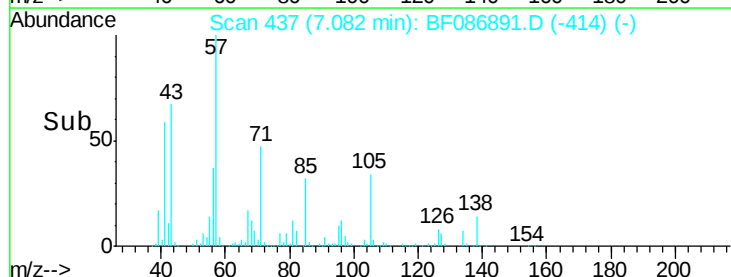


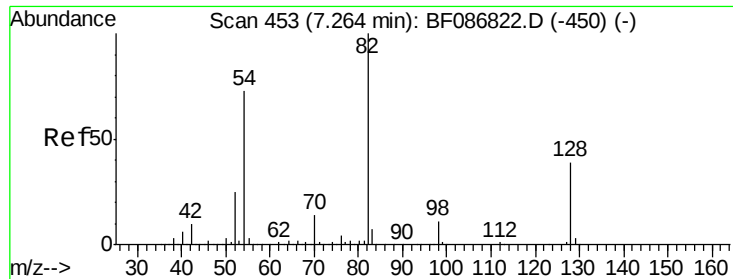
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

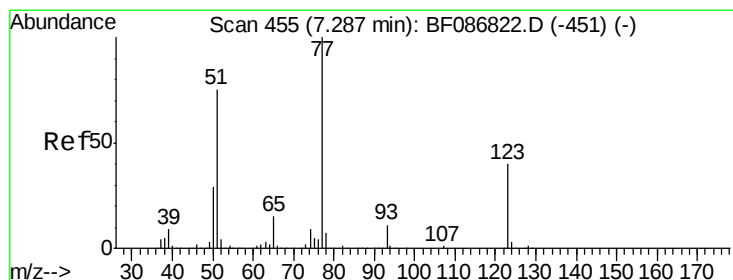
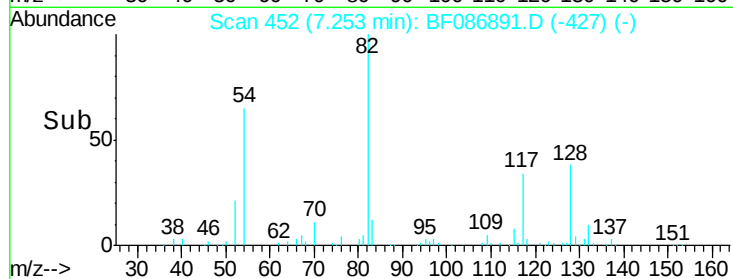
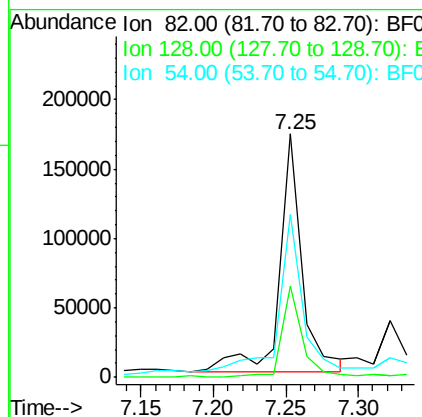
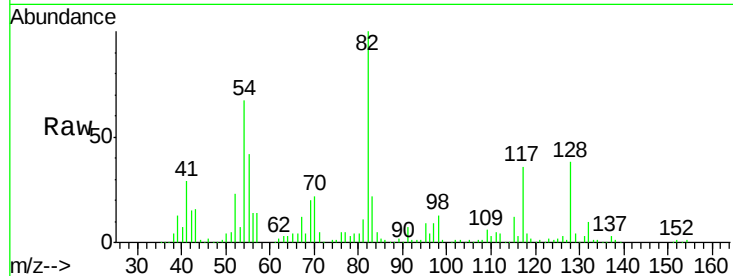




#23
 Nitrobenzene-d5
 Concen: 18.91 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

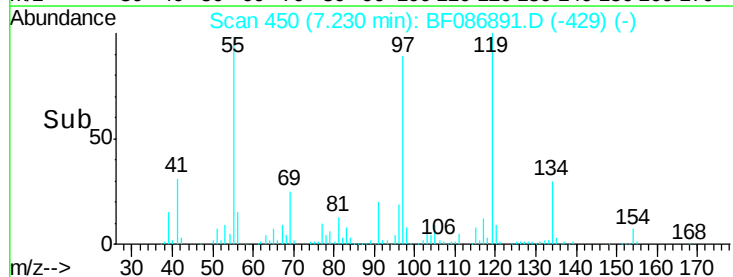
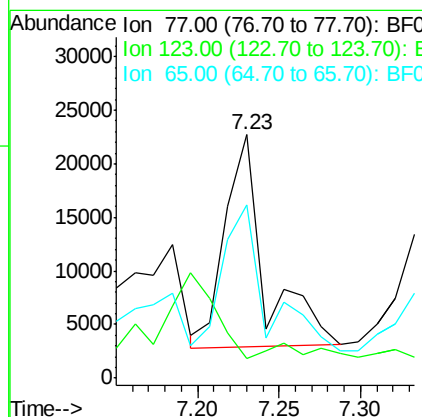
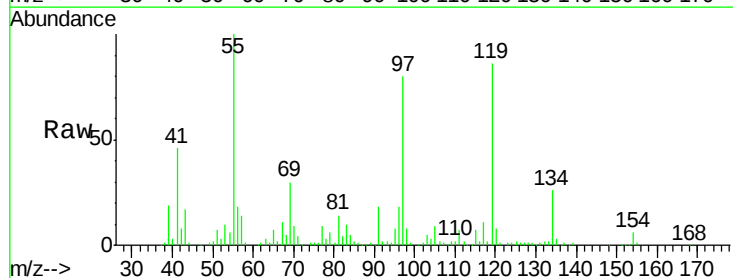
Instrument :
 BNA_F
 ClientSampleId :

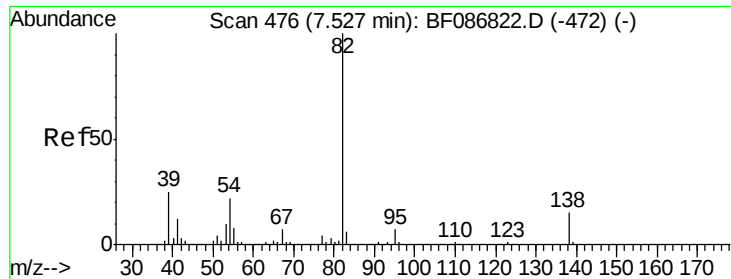
Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	40.6	61.0#
54	67.0	38.1	57.1#



#24
 Nitrobenzene
 Concen: 3.29 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.06 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	7.9	33.0	49.4#
65	71.1	10.8	16.2#





#25

Isophorone

Concen: 3.44 ng

RT: 7.49 min Scan# 473

Delta R.T. -0.03 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

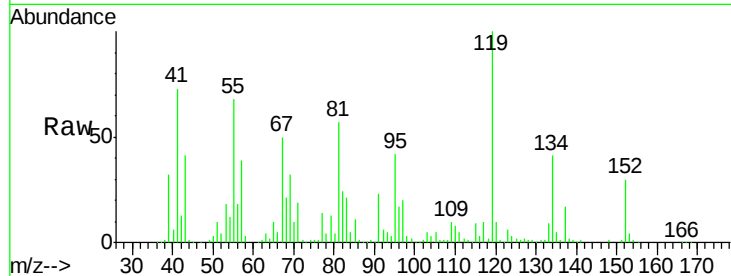
Tot Ion: 82 Resp: 62970

Ion Ratio Lower Upper

82 100

95 172.6 5.1 7.7#

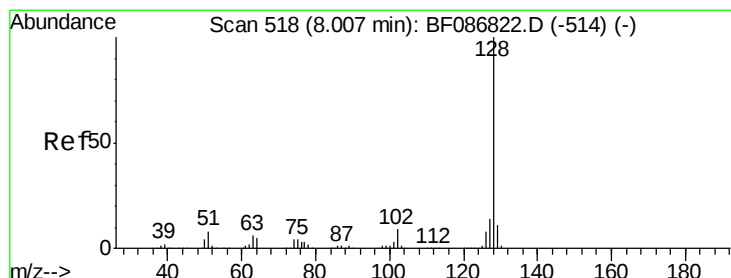
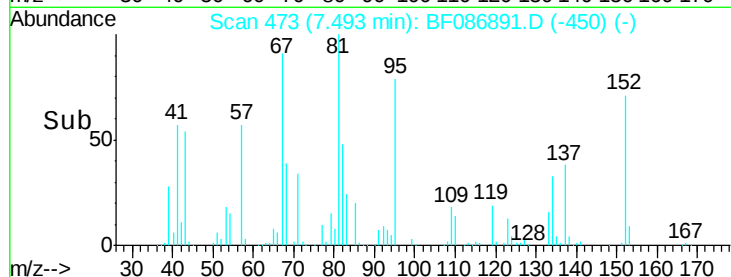
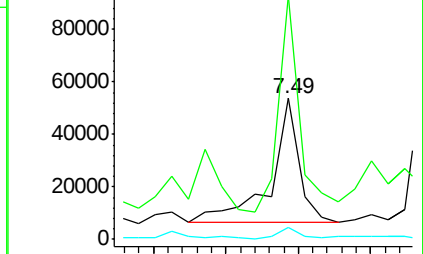
138 8.9 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 136.37 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

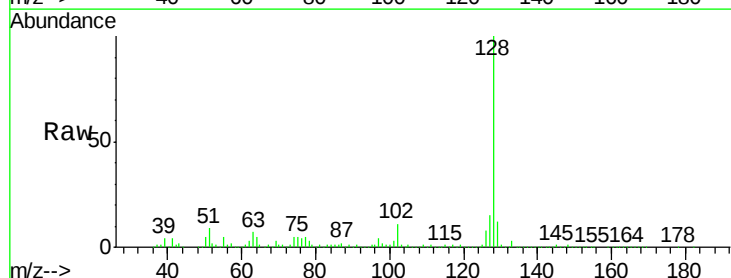
Tgt Ion:128 Resp: 3388073

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

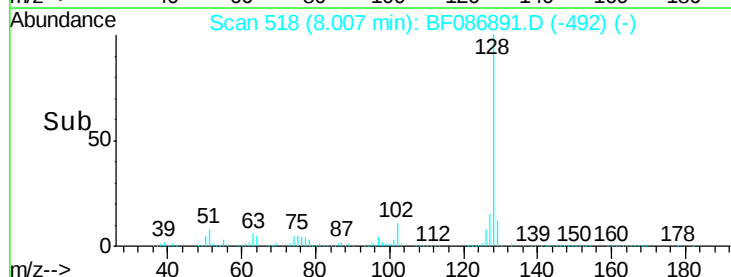
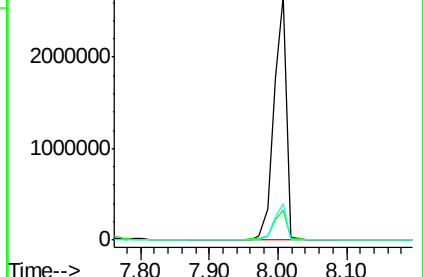
127 14.9 10.8 16.2

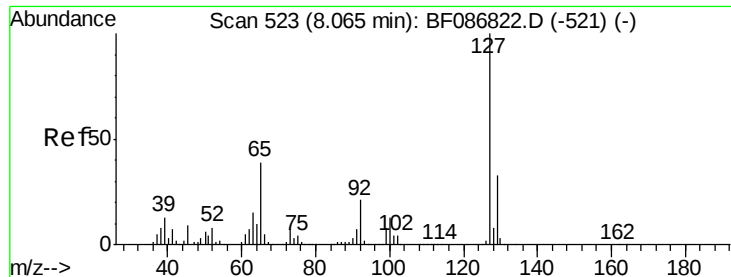


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

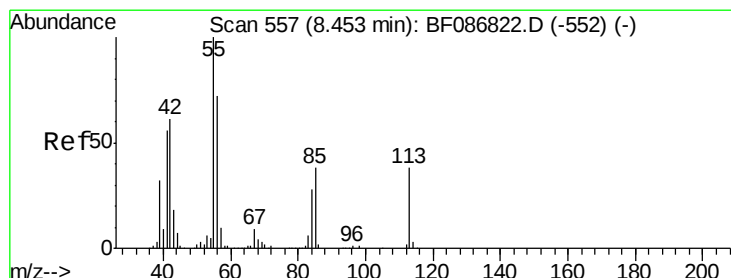
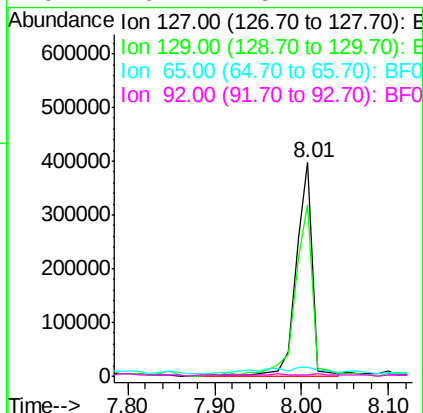
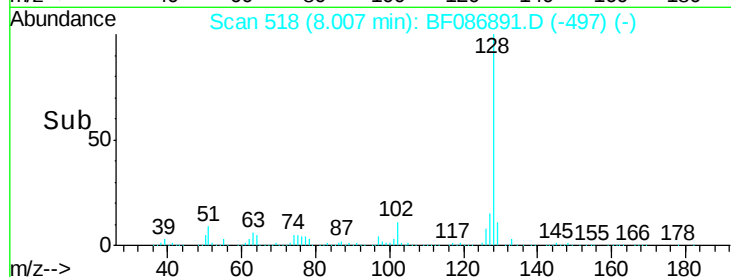
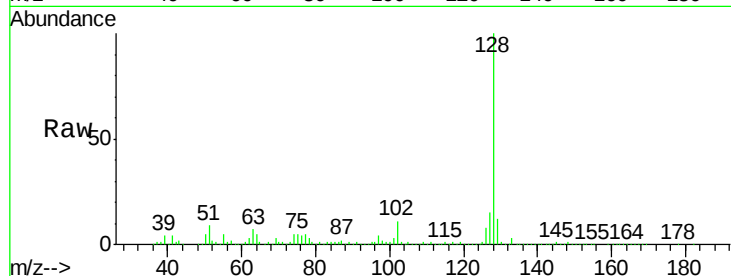




#33
 4-Chloroaniline
 Concen: 52.66 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.06 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

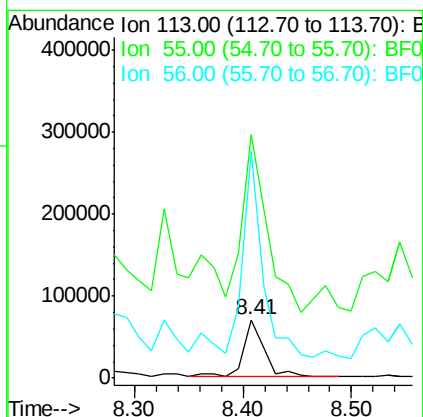
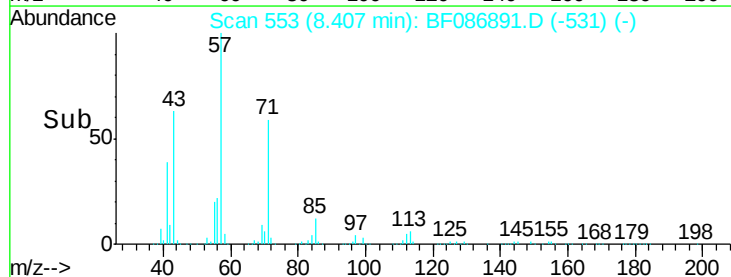
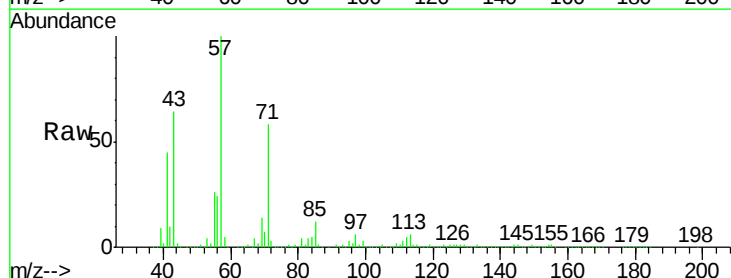
Instrument :
 BNA_F
 ClientSampleId :

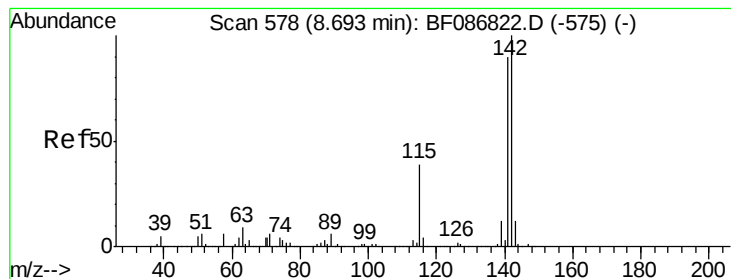
Tot Ion:127	Resp:	508347
Ion Ratio	Lower	Upper
127	100	
129	80.6	26.2 39.4#
65	4.2	23.0 34.4#
92	0.7	15.1 22.7#



#35
 Caprolactam
 Concen: 39.73 ng
 RT: 8.41 min Scan# 553
 Delta R.T. -0.05 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion:113	Resp:	90524
Ion Ratio	Lower	Upper
113	100	
55	419.0	162.0 202.0#
56	391.2	115.3 155.3#





#37

2-Methylnaphthalene

Concen: 70.09 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

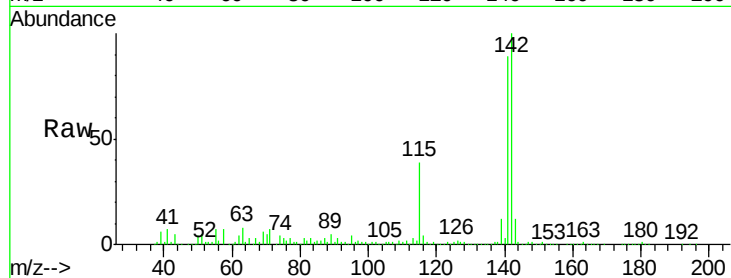
Tot Ion:142 Resp: 1017961

Ion Ratio Lower Upper

142 100

141 89.1 71.0 106.6

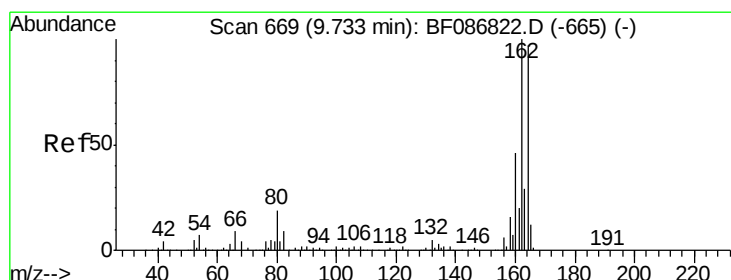
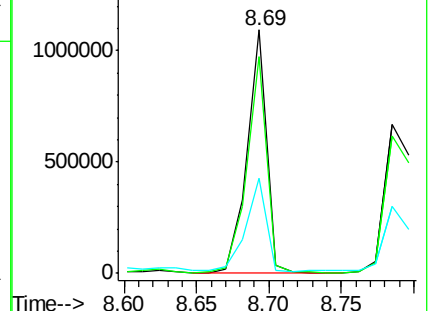
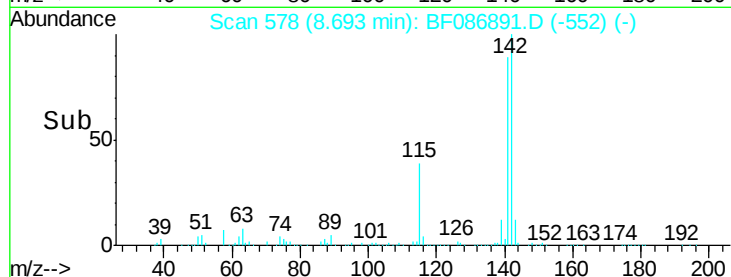
115 39.1 26.6 39.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

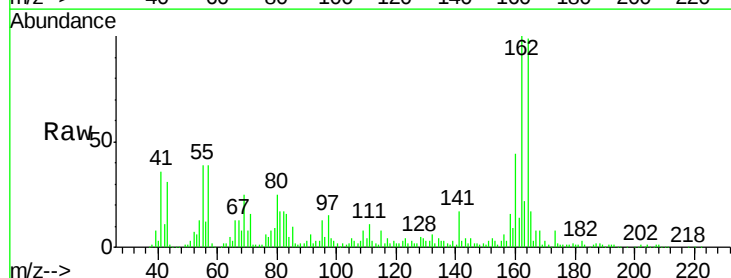
Tgt Ion:164 Resp: 215929

Ion Ratio Lower Upper

164 100

162 101.2 82.8 124.2

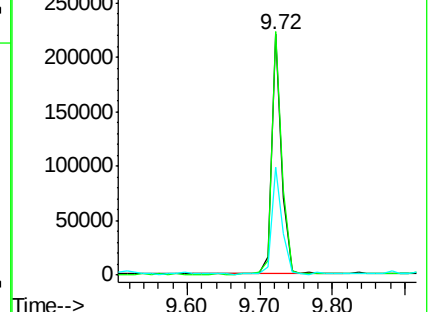
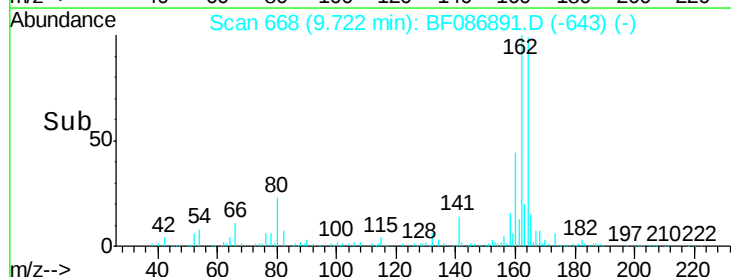
160 44.9 36.9 55.3

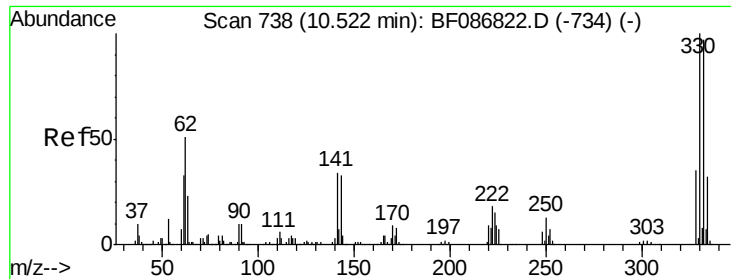


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

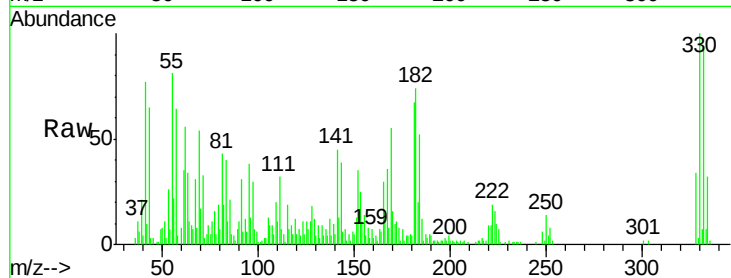




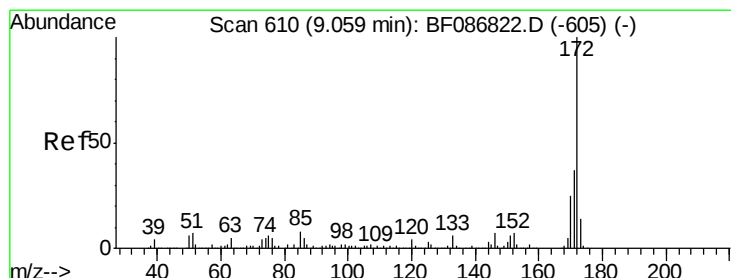
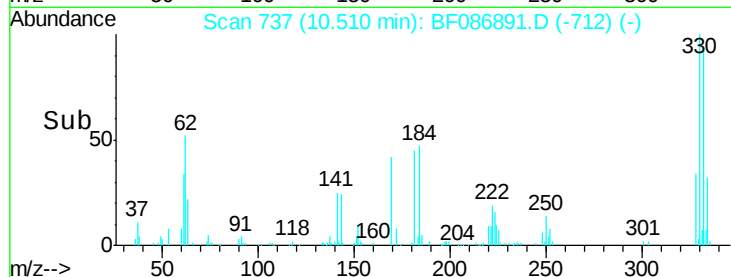
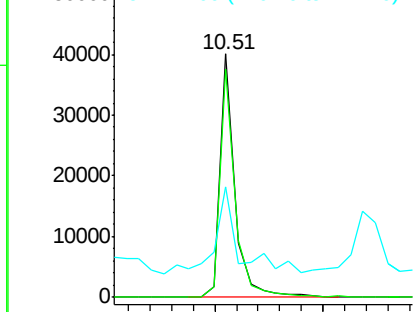
#41
 2,4,6-Tribromophenol
 Concen: 16.81 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 38427
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.0 118.4
 141 45.7 31.2 46.8

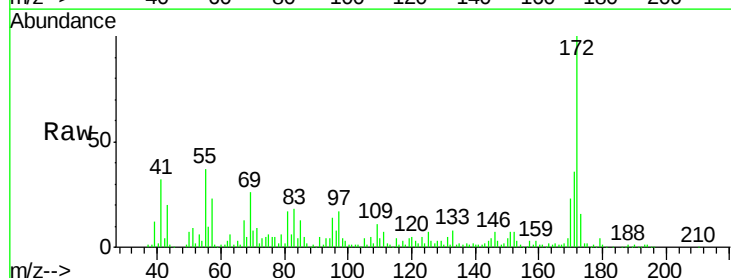


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

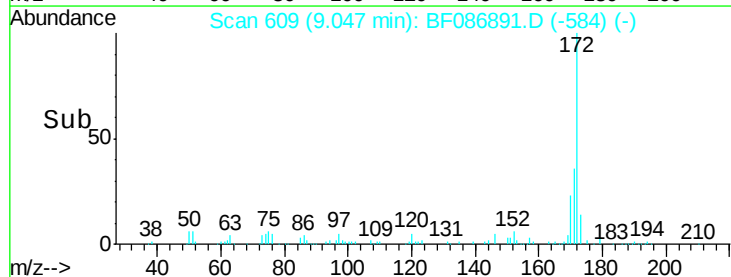
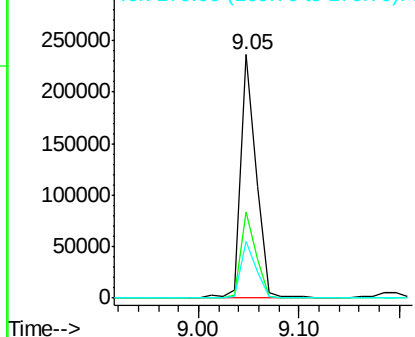


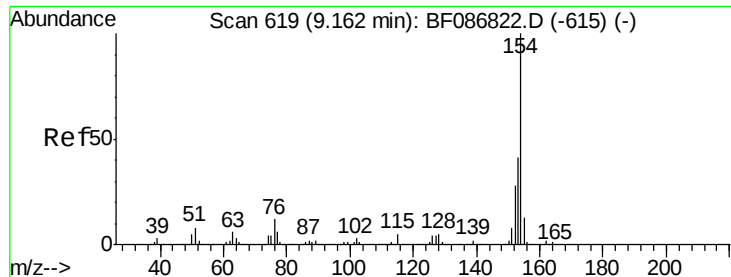
#44
 2-Fluorobiphenyl
 Concen: 19.72 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion:172 Resp: 253421
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.0 43.6
 170 23.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

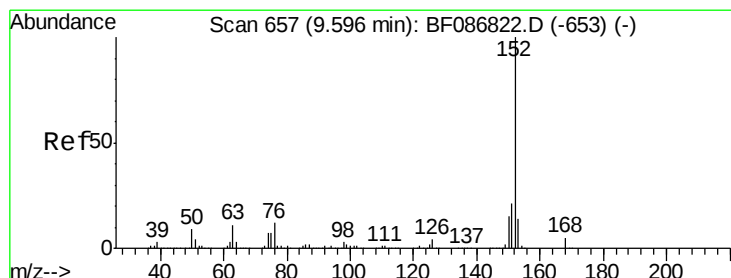
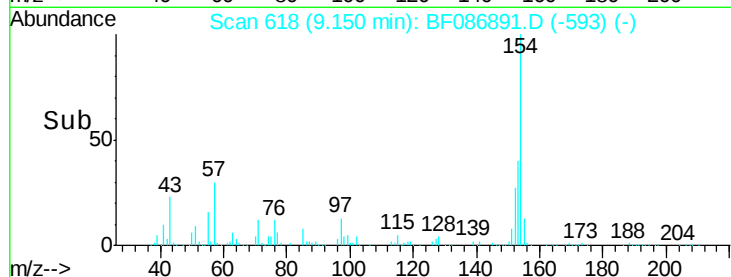
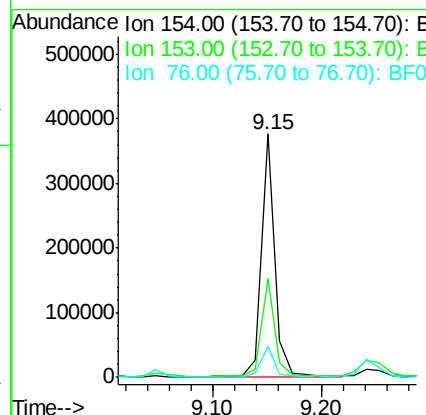
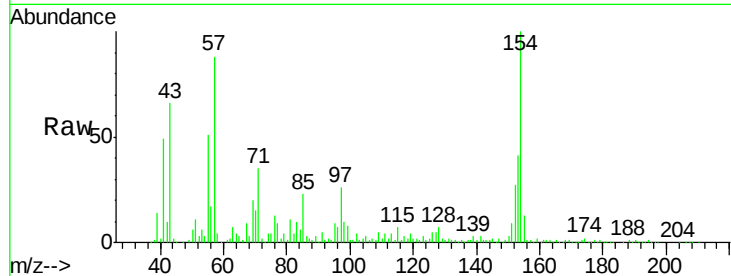




#45
 1,1'-Biphenyl
 Concen: 18.80 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

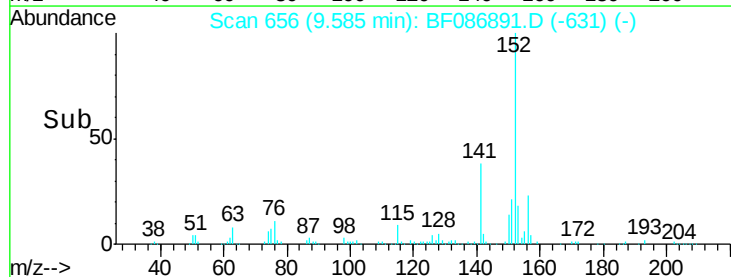
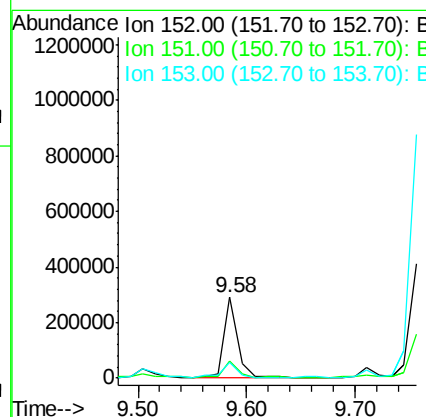
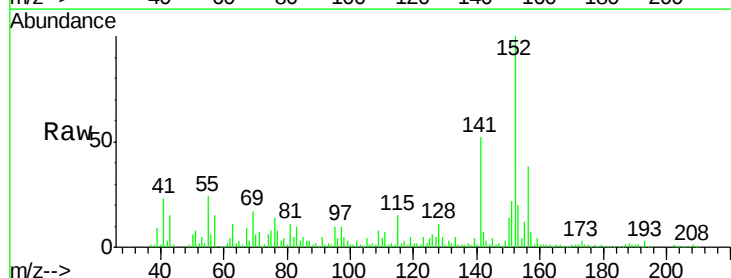
Instrument :
 BNA_F
 ClientSampled :

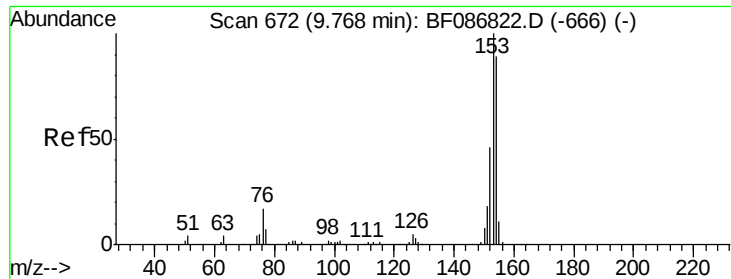
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	12.5	0.0	30.2



#48
 Acenaphthylene
 Concen: 12.63 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF086891.D
 Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.8	25.2
153	20.1	10.9	16.3#





#51

Acenaphthene

Concen: 88.45 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampled :

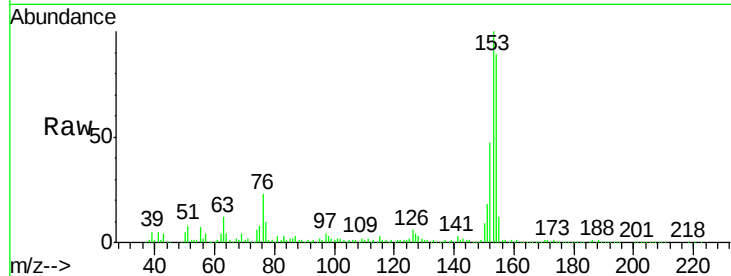
Tot Ion:154 Resp: 1089046

Ion Ratio Lower Upper

154 100

153 112.5 89.8 134.6

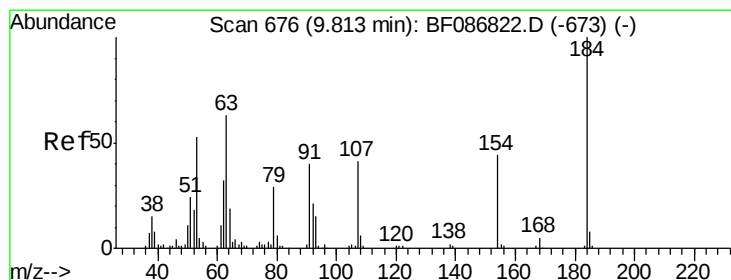
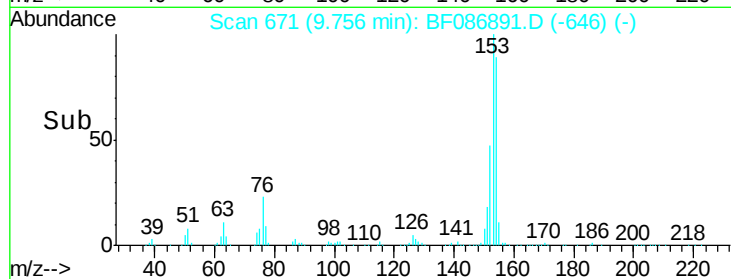
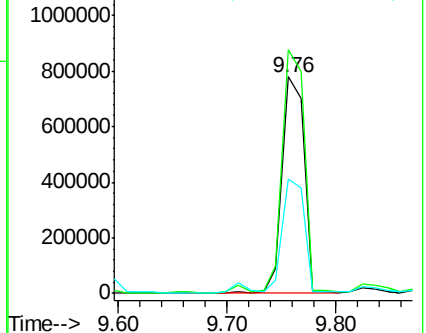
152 52.6 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.20 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

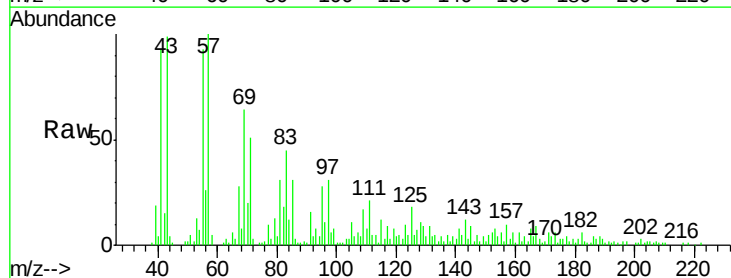
Tgt Ion:184 Resp: 999

Ion Ratio Lower Upper

184 100

63 498.4 55.8 83.8#

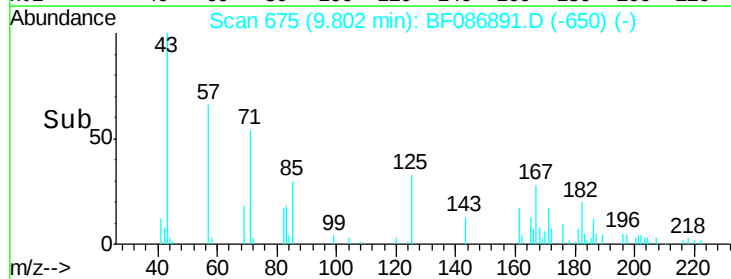
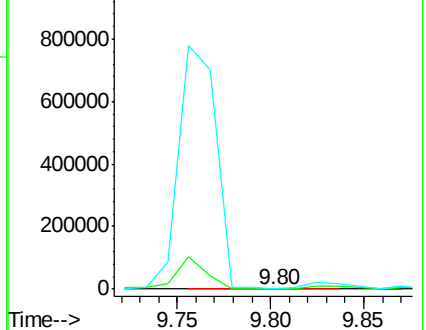
154 737.3 62.4 93.6#

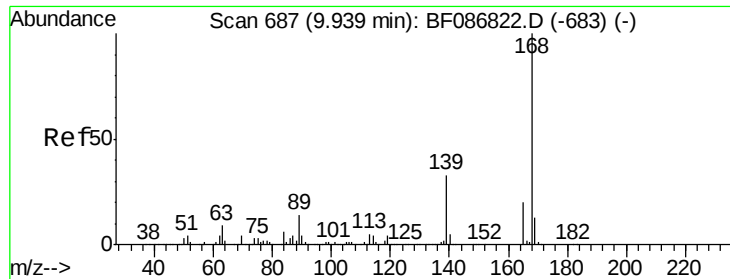


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 5.85 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

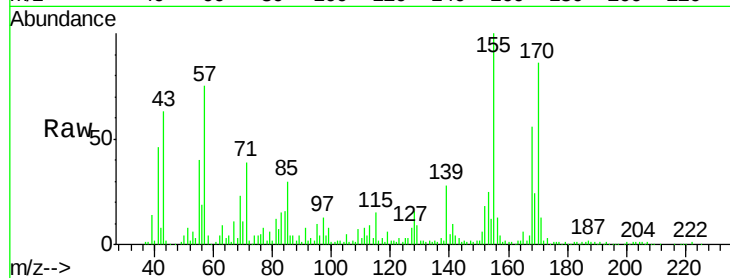
Tot Ion:168 Resp: 92472

Ion Ratio Lower Upper

168 100

139 50.5 31.4 47.0#

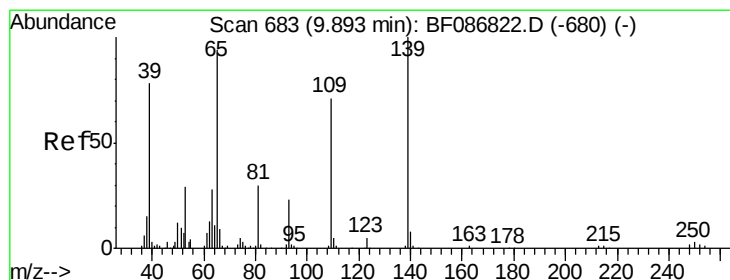
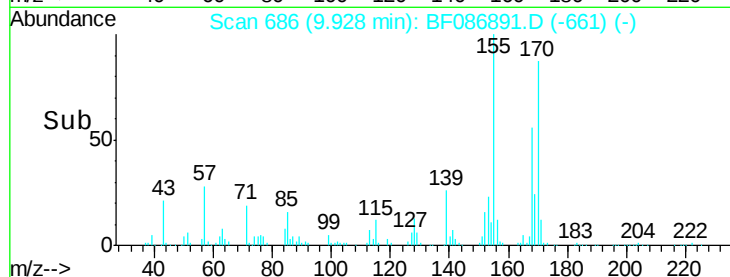
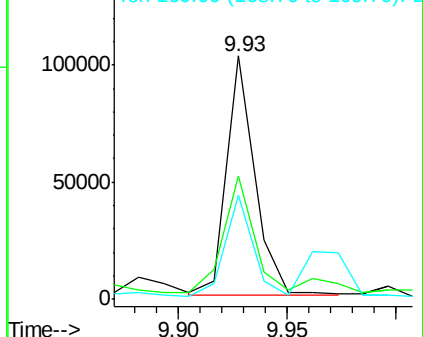
169 43.0 10.7 16.1#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 27.37 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.03 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

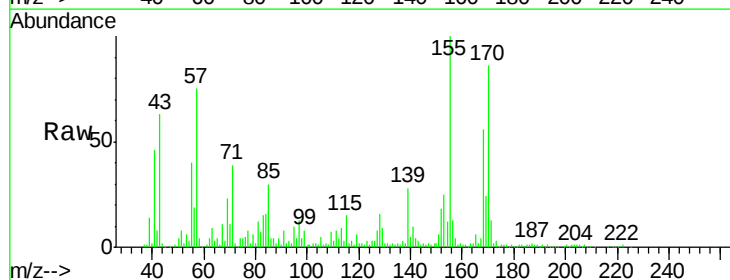
Tgt Ion:139 Resp: 58870

Ion Ratio Lower Upper

139 100

109 23.9 36.9 76.9#

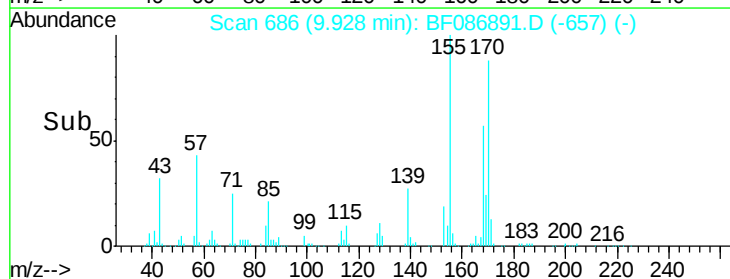
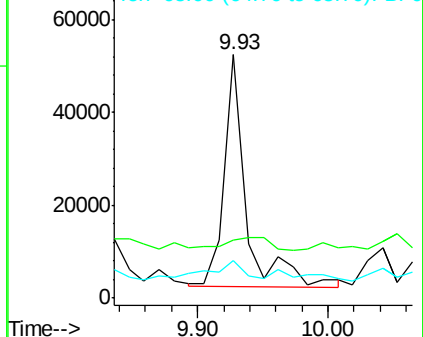
65 15.4 64.0 104.0#

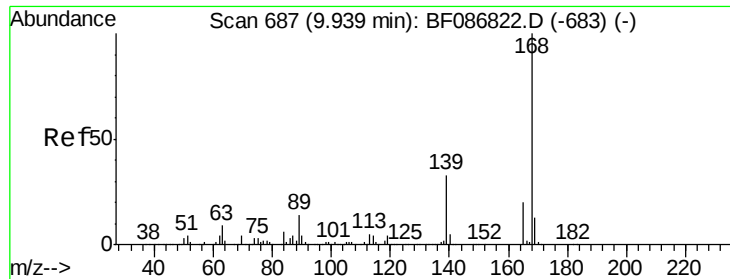


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

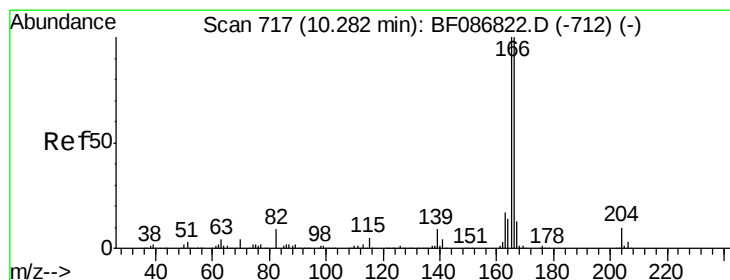
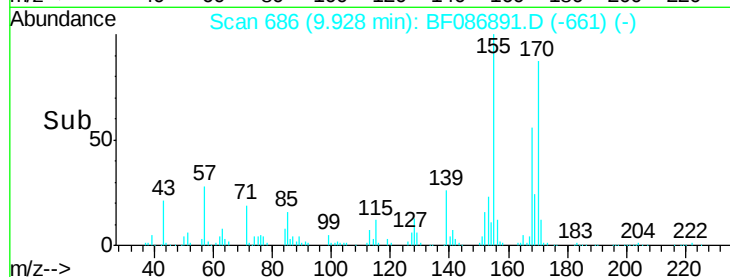
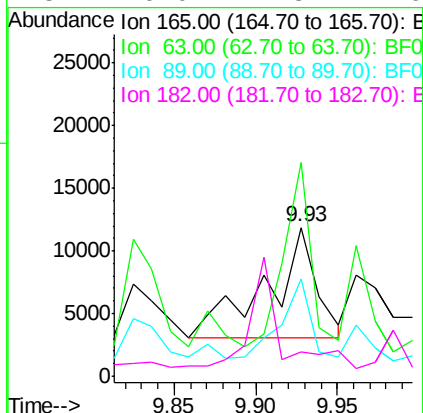
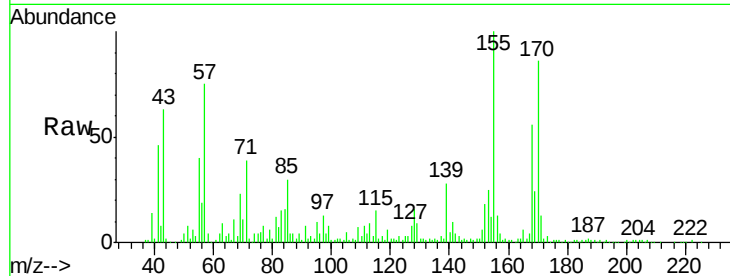




#56
2,4-Dinitrotoluene
Concen: 4.37 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

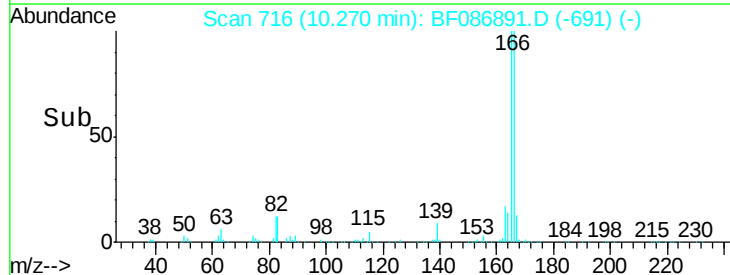
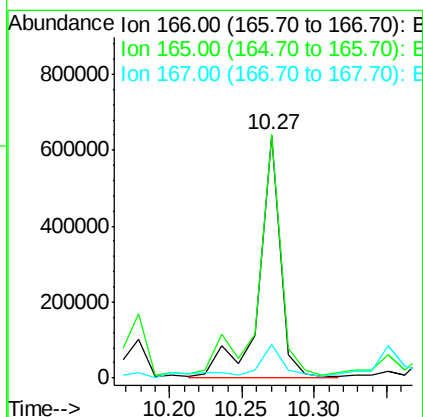
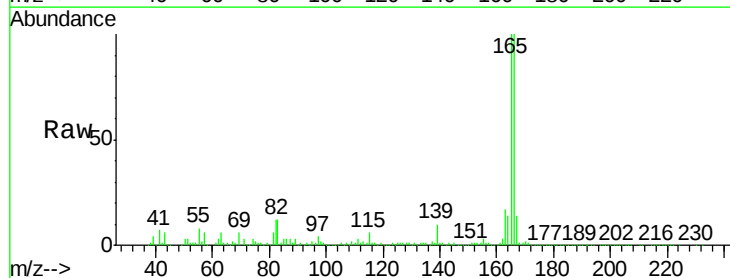
Instrument :
BNA_F
ClientSampleId :

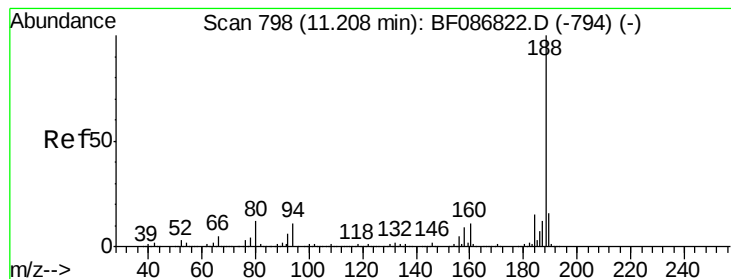
Tot Ion:165 Resp: 18760
Ion Ratio Lower Upper
165 100
63 143.3 44.3 66.5#
89 65.5 70.0 105.0#
182 16.0 1.8 2.6#



#57
Fluorene
Concen: 48.28 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion:166 Resp: 650763
Ion Ratio Lower Upper
166 100
165 100.3 79.0 118.6
167 14.0 10.6 15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

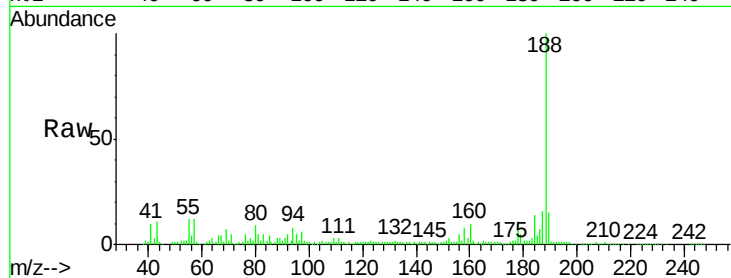
Tot Ion:188 Resp: 337822

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

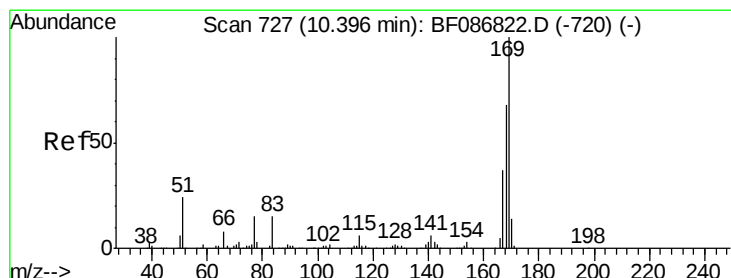
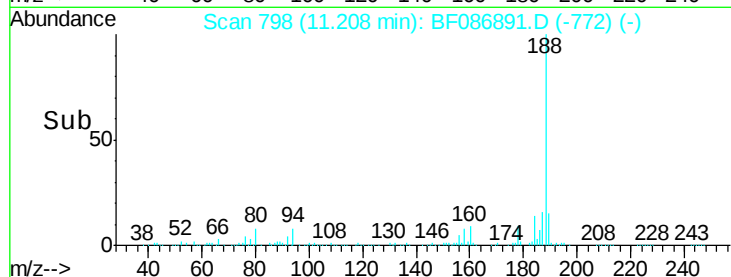
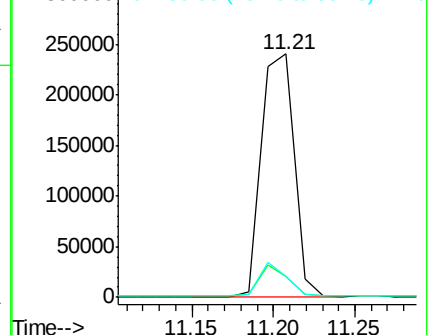
80 8.7 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#65

n-Nitrosodiphenylamine

Concen: 7.60 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

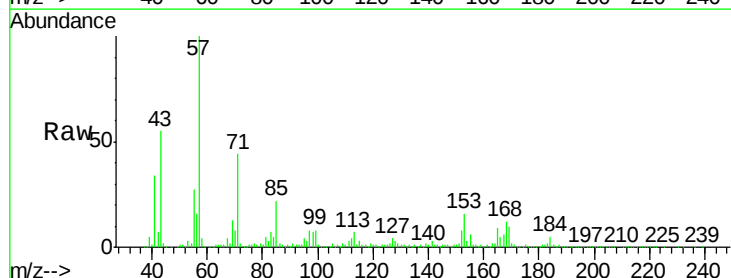
Tgt Ion:169 Resp: 78833

Ion Ratio Lower Upper

169 100

168 114.5 53.8 80.6#

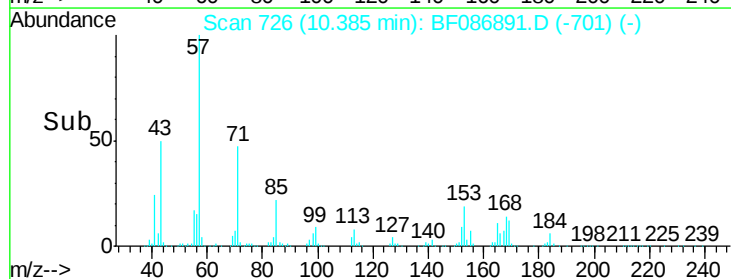
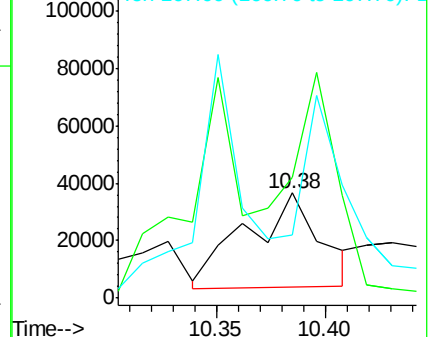
167 59.5 29.5 44.3#

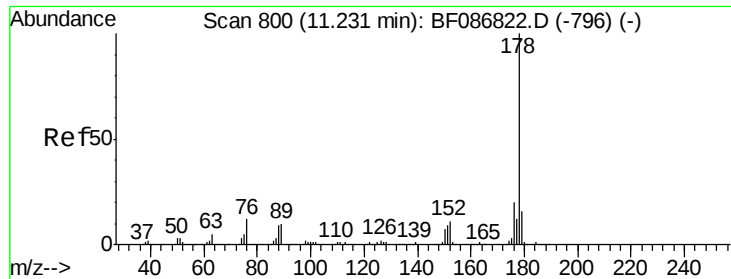


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

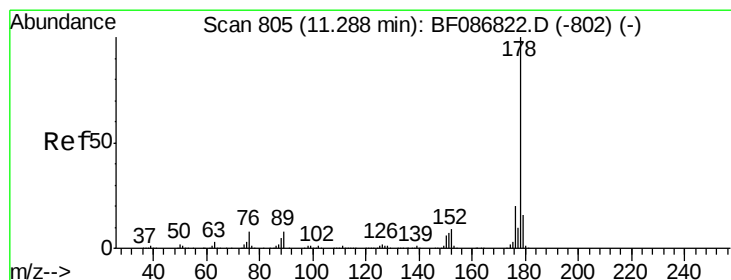
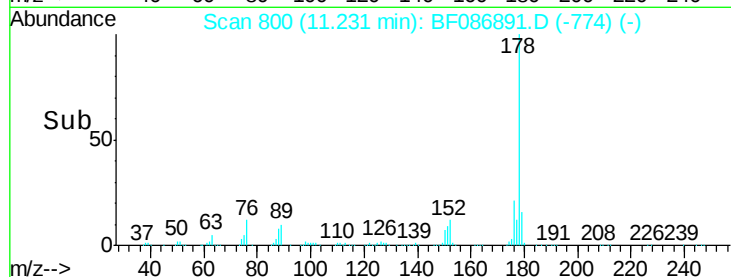
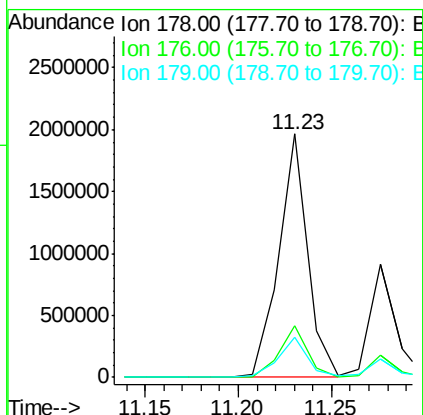
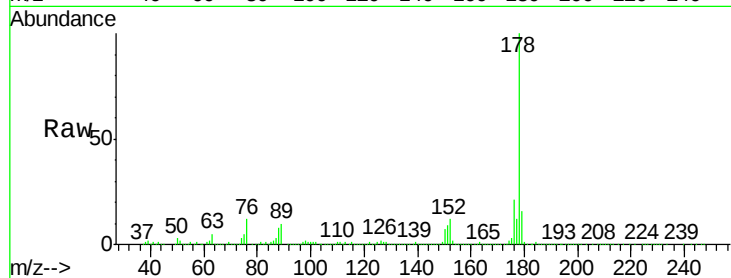




#70
Phenanthrene
Concen: 117.13 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

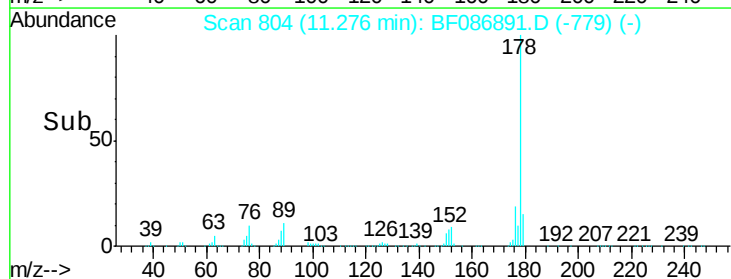
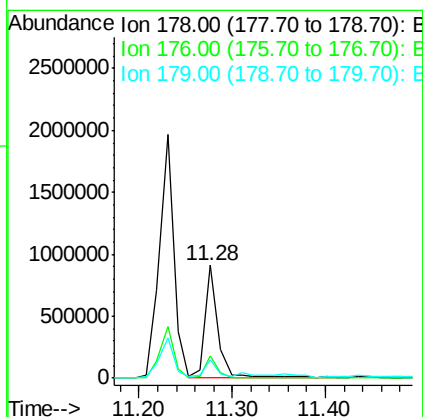
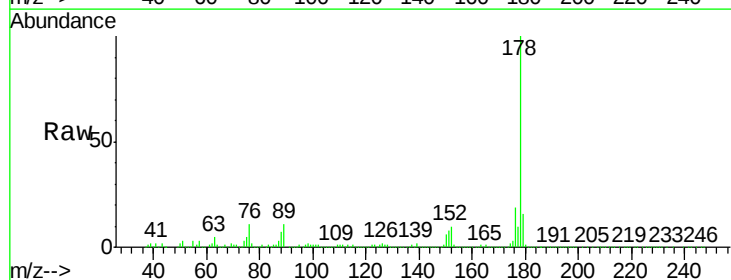
Instrument :
BNA_F
ClientSampleId :

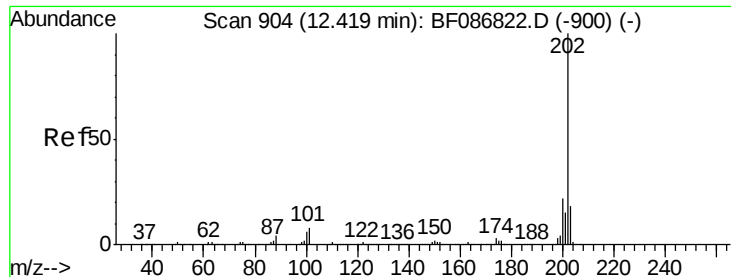
Tot Ion:178 Resp: 2111616
Ion Ratio Lower Upper
178 100
176 21.0 16.0 24.0
179 16.4 12.6 18.8



#71
Anthracene
Concen: 47.74 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion:178 Resp: 880220
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.1 12.7 19.1





#74

Fluoranthene

Concen: 60.47 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

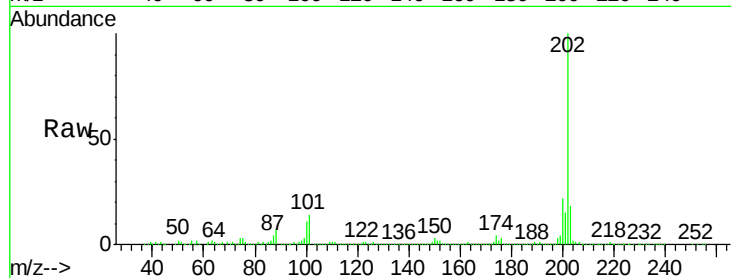
Tot Ion:202 Resp: 1121250

Ion Ratio Lower Upper

202 100

101 13.9 0.0 35.4

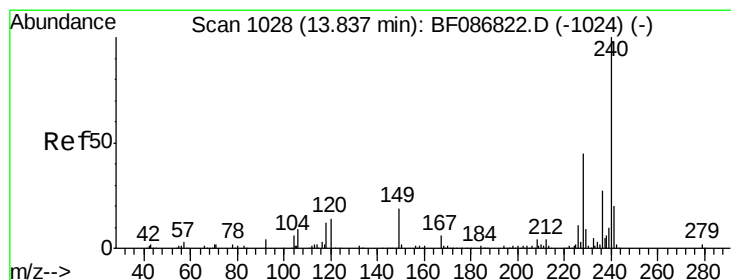
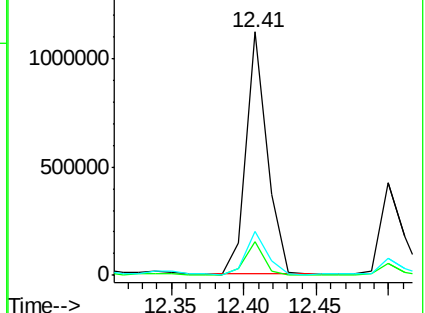
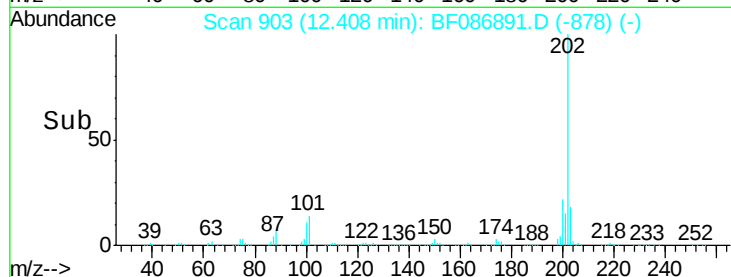
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

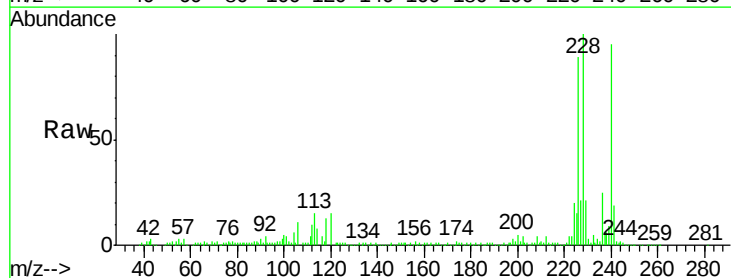
Tgt Ion:240 Resp: 264152

Ion Ratio Lower Upper

240 100

120 15.5 11.2 16.8

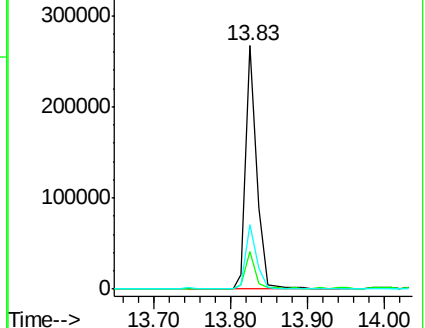
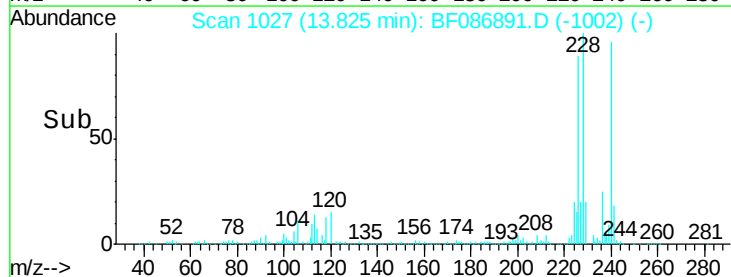
236 26.6 21.2 31.8

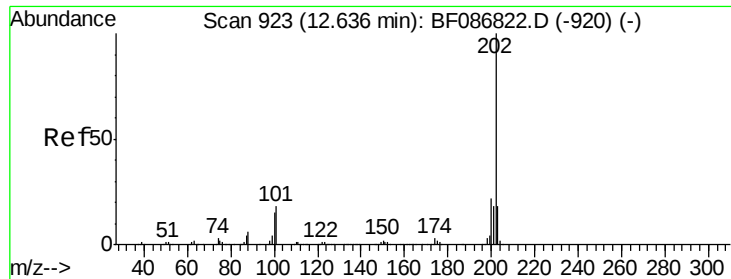


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 77.50 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

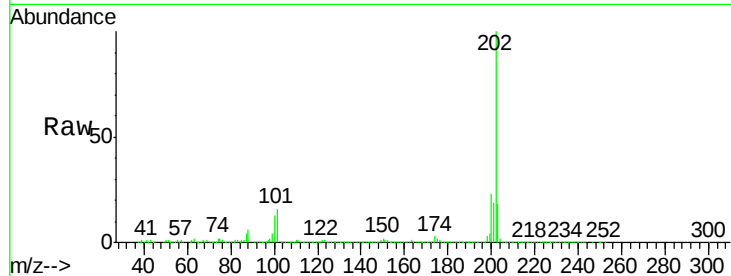
Tot Ion:202 Resp: 1567351

Ion Ratio Lower Upper

202 100

200 22.7 17.7 26.5

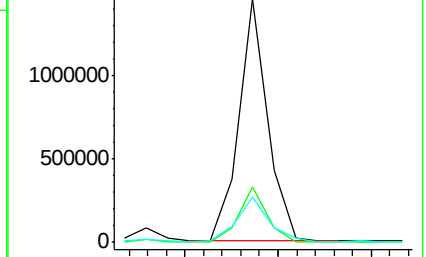
203 18.3 14.2 21.4



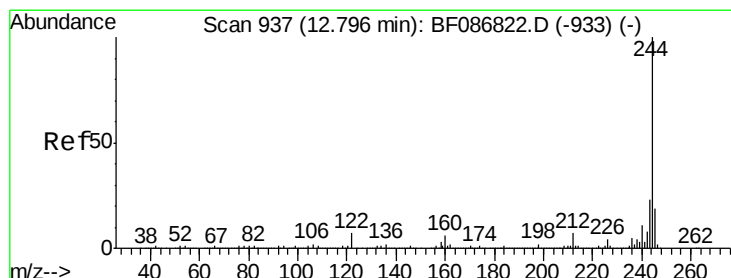
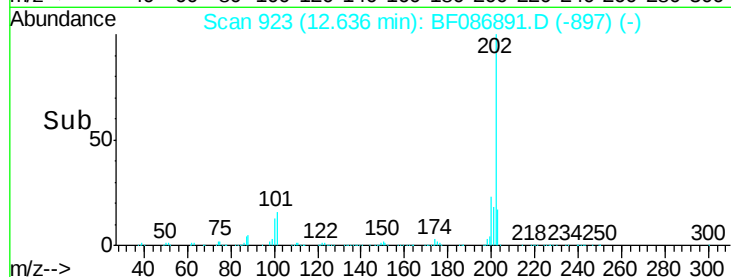
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 14.36 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

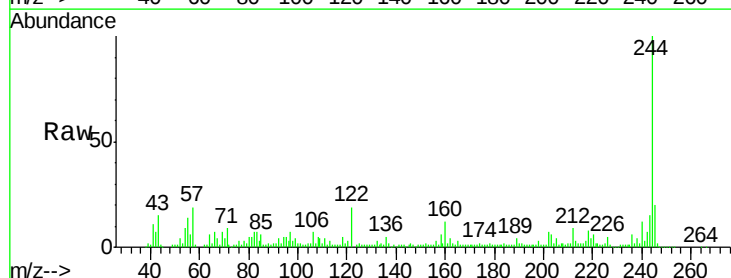
Tgt Ion:244 Resp: 178809

Ion Ratio Lower Upper

244 100

212 8.8 6.2 9.2

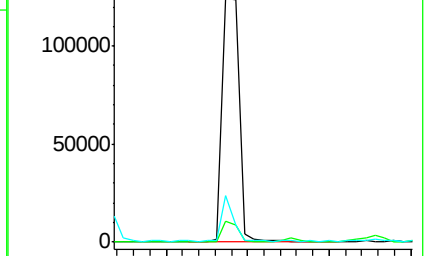
122 19.1 12.0 18.0#



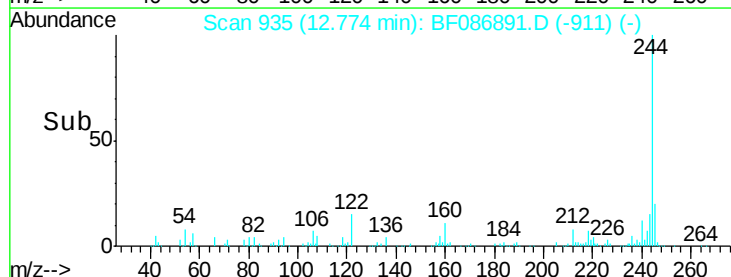
Abundance Ion 244.00 (243.70 to 244.70): E

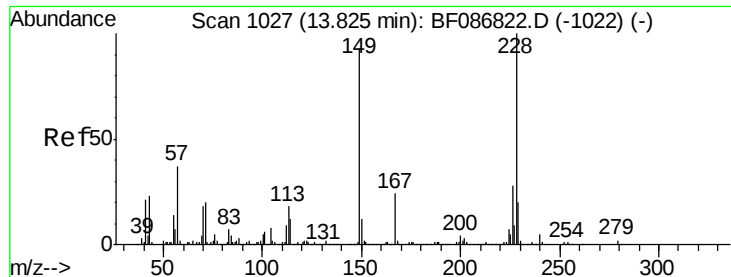
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 38.76 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

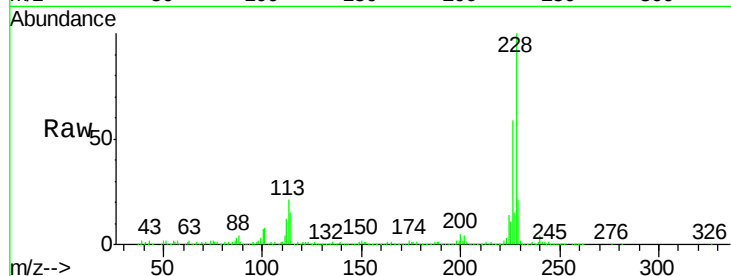
Tot Ion:228 Resp: 574761

Ion Ratio Lower Upper

228 100

226 59.4 22.5 33.7#

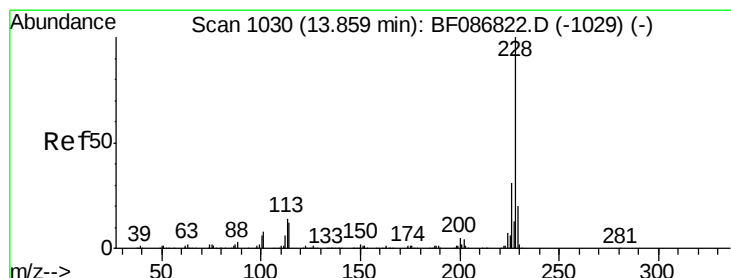
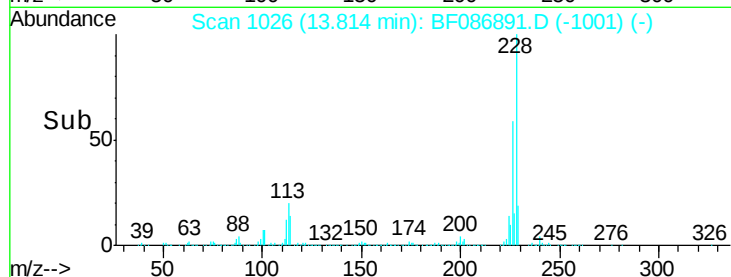
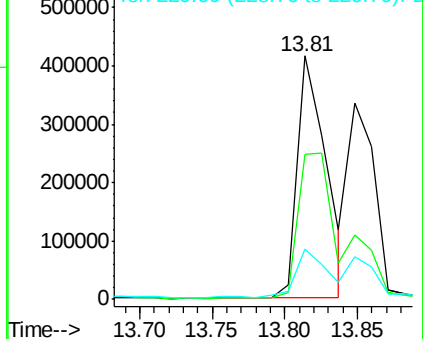
229 20.9 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 38.10 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

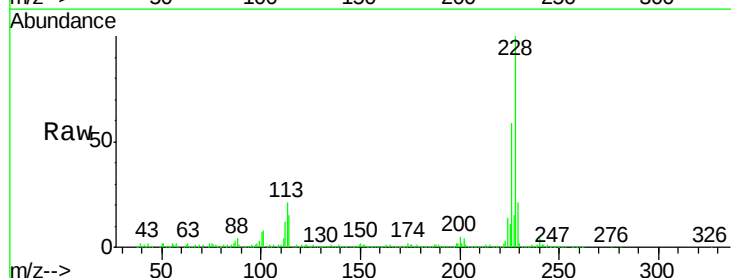
Tgt Ion:228 Resp: 574761

Ion Ratio Lower Upper

228 100

226 59.4 24.4 36.6#

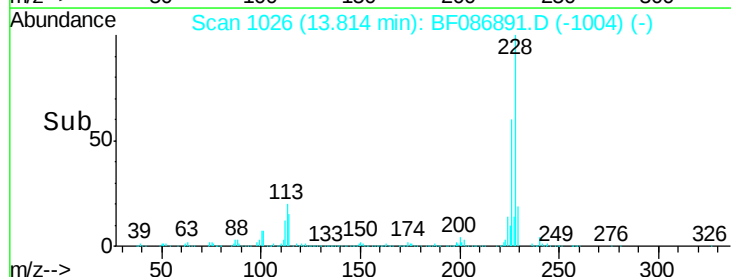
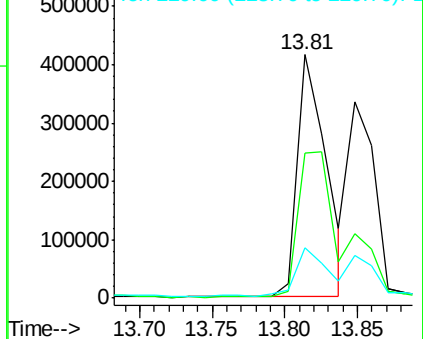
229 20.9 15.8 23.8

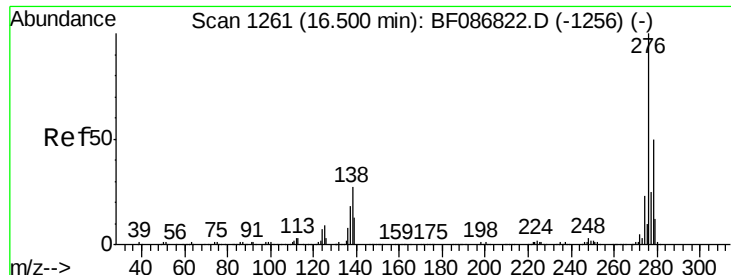


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

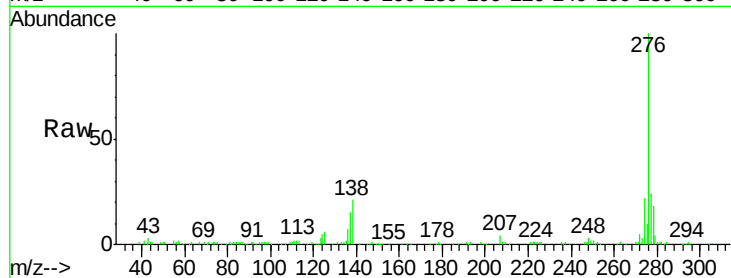




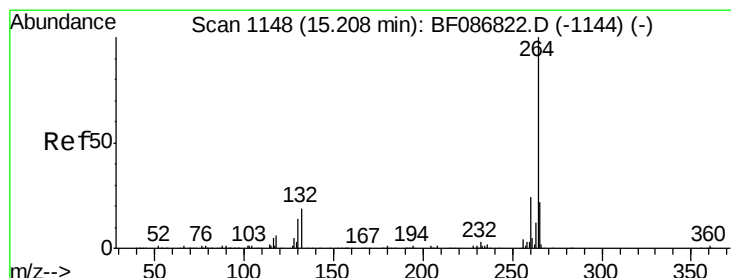
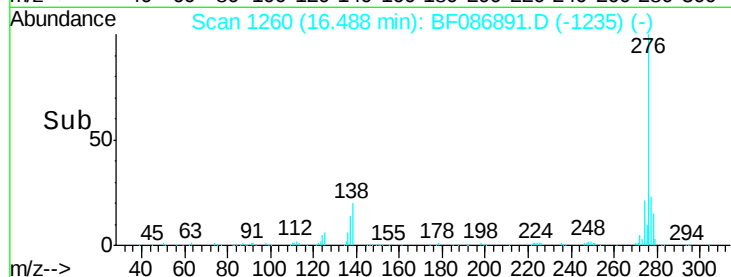
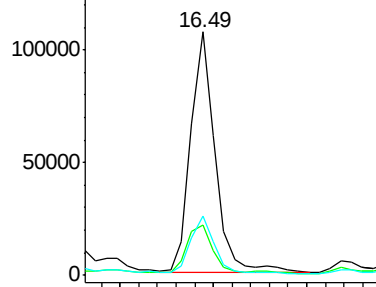
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.42 ng
RT: 16.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.6	38.4
277	24.2	20.5	30.7

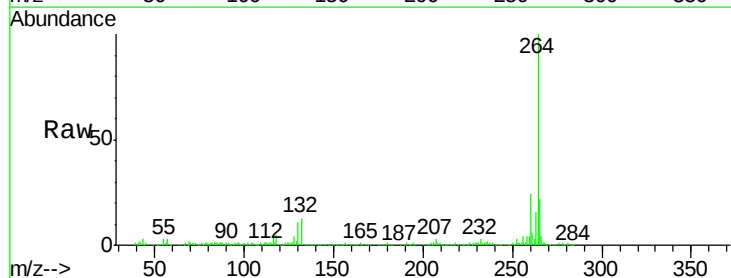


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

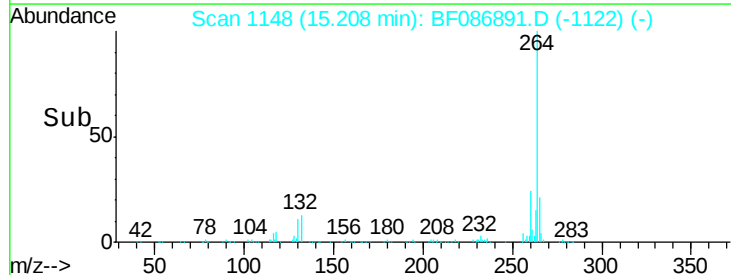
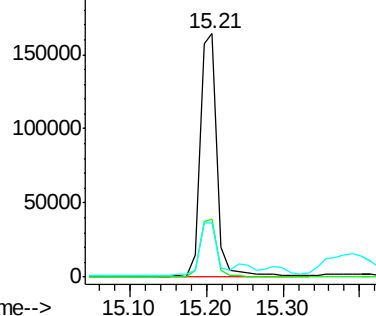


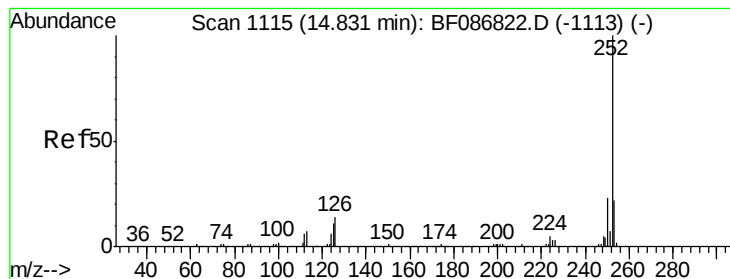
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF086891.D
Acq: 11 May 2016 9:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.0	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 32.71 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

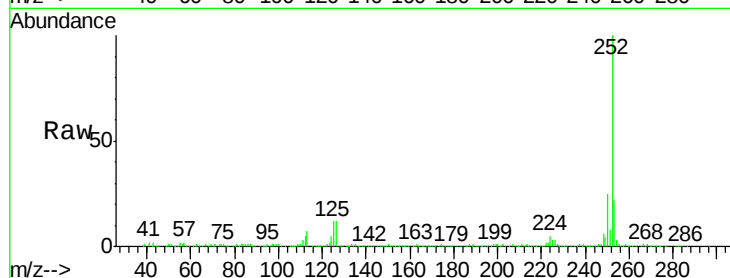
Tot Ion:252 Resp: 553661

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

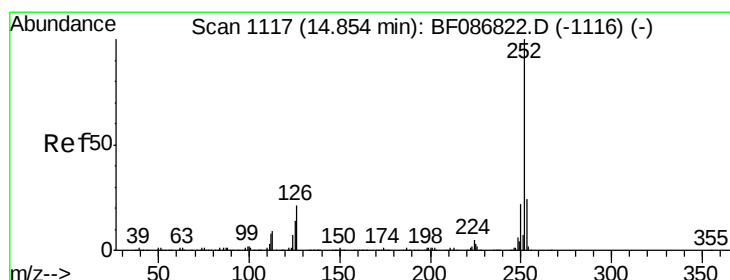
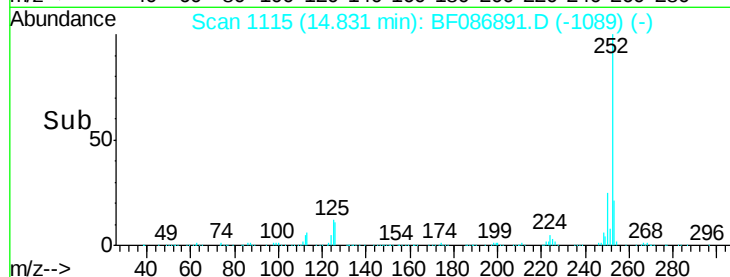
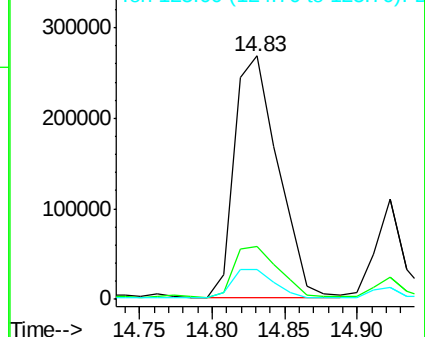
125 12.1 11.4 17.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 39.95 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

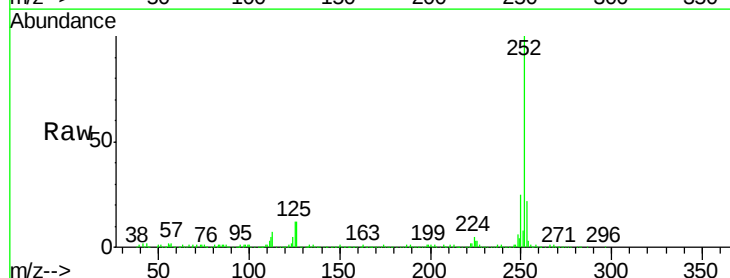
Tgt Ion:252 Resp: 553661

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

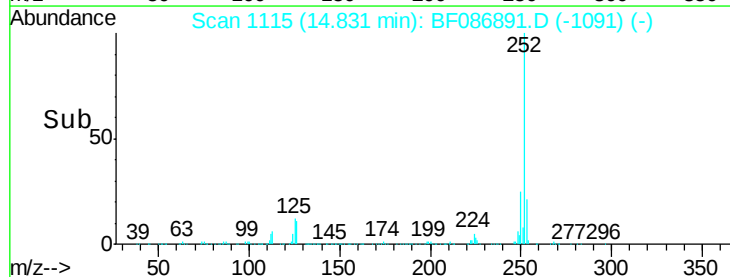
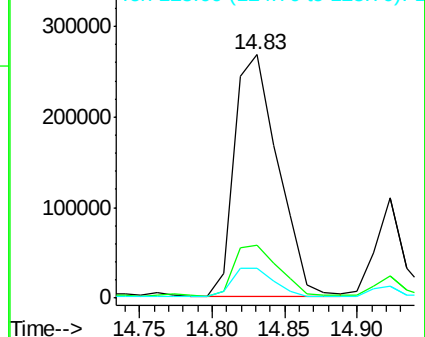
125 12.1 9.1 13.7

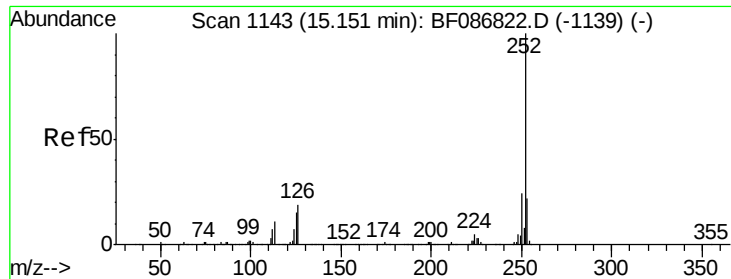


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 32.97 ng

RT: 15.15 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

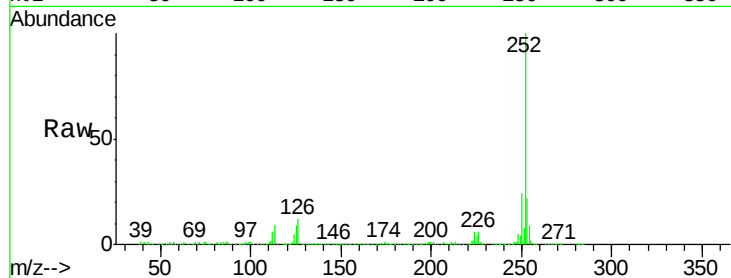
Tot Ion:252 Resp: 481378

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

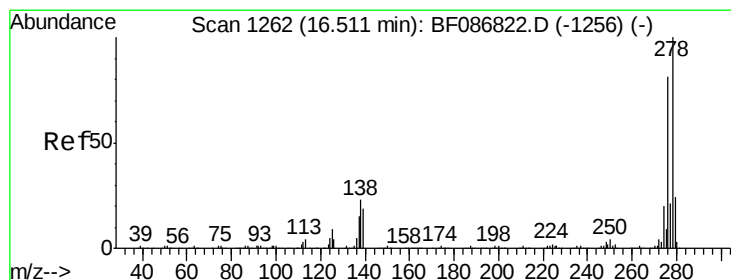
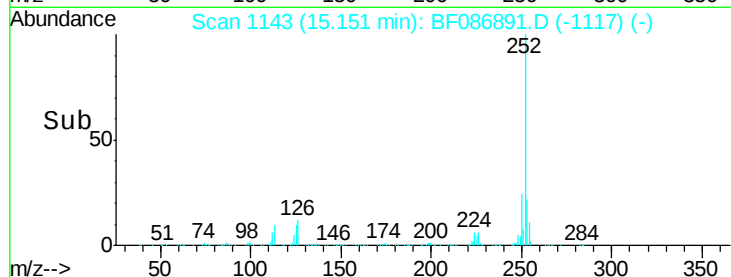
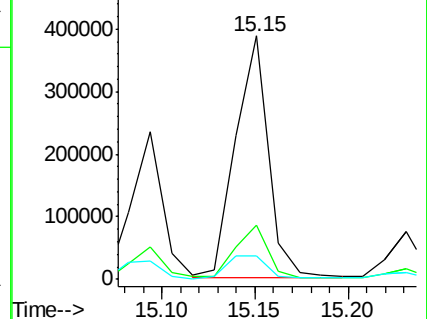
125 9.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.16 ng

RT: 16.64 min Scan# 1273

Delta R.T. 0.13 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

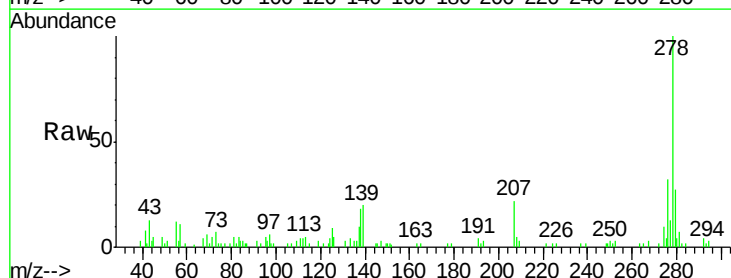
Tgt Ion:278 Resp: 38849

Ion Ratio Lower Upper

278 100

139 19.8 16.6 24.8

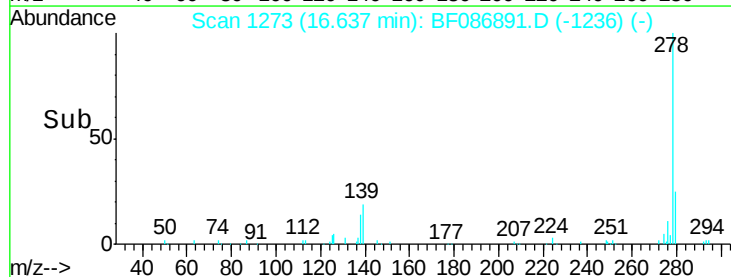
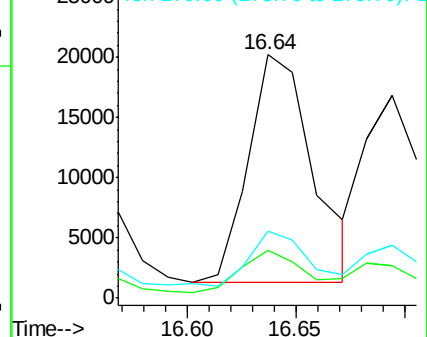
279 27.3 19.6 29.4

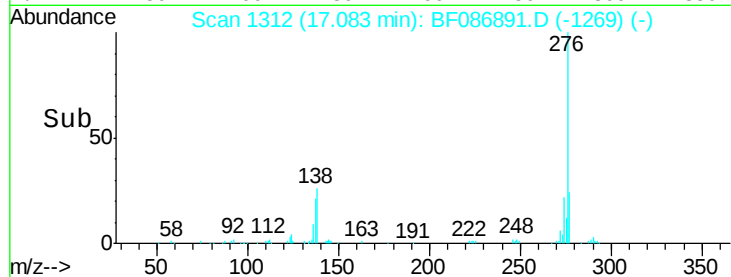
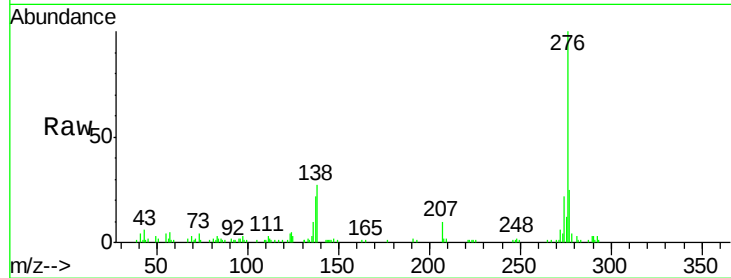
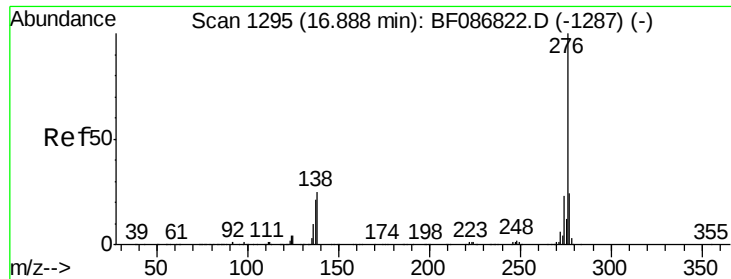


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.62 ng

RT: 17.08 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF086891.D

Acq: 11 May 2016 9:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 82735

Ion Ratio Lower Upper

276 100

277 25.2 19.6 29.4

138 27.3 23.6 35.4

